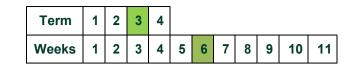


Erina Heights Public School Learning from Home - Stage 3



	Monday	Tuesday	Wednesday	Thursday	Friday	
9:00	Daily Zoom Meeting	5B Zoom Link	5/6R Zoom Link	<u>6S Zoom Link</u>		
Morning	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities	
	Recess Break					
Middle	Maths Activities	Maths Activities	Maths Activities	Maths Activities	Maths Activities	
	Manga High	Manga High	Manga High	Manga High	Manga High	
	Lunch Break					
Afternoon	Let's Visit Canberra!	Let's Visit Canberra!	Let's Visit Canberra!	Let's Visit Canberra!	Let's Visit Canberra!	
Optional Activities	Last year, the Office of the Advocate for Children and Young People launched a website called Digital Lunchbreak. Children and young people can learn, create and discover through digital workshops, learning materials, virtual excursions and more. Visit the Digital Lunchbreak website by clicking here <u>www.digitallunchbreak.nsw.gov.au</u>					

Literacy Activities

Stage 3 – Week 6~

EXPECTATIONS

'Mistakes are proof that you are

- Do one activity each day.
- If you get stuck, send your teacher a message on Google Classroom.
- You can add extra slides to do your answers, otherwise you can do your work in a Google doc or workbook at home.

trying '

- Please Note: These tasks are the same as Stage 2, however, our expectation is that as a Stage 3 student, you will be providing more detailed and extended answers, justifying your reasons and giving examples.
- Submit your work on Google Classroom.
- Do the best you can! 😂



THE KIDS SHOULD SEE THIS

Summarising an Article

https://thekidshouldseethis.com/post/waddles-the-duck-gets-a-3d-printed-prosthetic-leg

Learning Intention: To write an effective summary of an article.

What to do?

- Scan the QR code or click the link above to be taken to the website.
- Watch the video and read the article.
- Then watch the YouTube video on this screen showing how to use the 'somebody, wanted, but, so, then, finally' strategy.

Your task:

- Read the example given (next slide) about Waddles the Duck to demonstrate what it should look like.
- Go back to the website and find something interesting to read about and write your own summary using the same 'Somebody, wanted, but, so, then, finally' strategy. There is a slide provided for you.





THE KIDS SHOULD SEE THIS

Summarising an Article

Waddles' owner, guitarist (somebody) Ben Weinman wanted Waddles, who only had one leg, to be able to walk again but couldn't have made this happen on his own so he asked pet prosthetic specialist and Bionic Pets owner Derrick Campana if he could help. Then Derrick created Waddles a new leg using a 3D printer. Finally, Waddles was then able to walk again using 2 legs.

Now it's your turn! Go to <u>The Kids Should See This</u> and find your own article to read and write about.

SWBSTF Somebody -Who is the main character? What are traits to describe them? Wanted -What does the main character want? But -What is the problem in the story? What gets in the main character's way? So -What does the character do to respond to the problem? What are some attempts to solve the problem? Then -How does the character solve the problem? What is the solution? Finally -What is the life lesson? What did the main character learn? What is the author trying to teach us?

THE KIDS SHOULD SEE THIS

Summarising an Article

Link for Article:

Write your summary here. Don't forget the title of your article.

SWBSTF

Somebody

-Who is the main character? What are traits to describe them?

Wanted

-What does the main character want?

But

-What is the problem in the story? What gets in the main character's way?

So

-What does the character do to respond to the problem? What are some attempts to solve the problem?

Then

-How does the character solve the problem? What is the solution?

Finally

S

-What is the life lesson? What did the main character learn? What is the author trying to teach us?

DIRECT & INDIRECT SPEECH

Change the indirect speech into direct speech

Jason said that he didn't want to go to the beach.

"I don't want to go to the beach," said Jason.

Lisa and Natalie said they needed some money for shopping.

<Type>

Ivy told Hannah to stop running.

<Type>

Harry's mum asked him to pick up his toys.

<Type>

Anna asked her teacher if she could play in the sandpit with Scarlett.

<Type>

I yelled out to Dad to tell him that dinner was ready.

<Type>





EDITING - easy

Circle the spelling error and write the correct spelling in the box	DRAG & C	\bigcirc
The baby was crying becos he was hungry.		
Kane denyed he was the one who broke the vase.		
We finaly finished our project.		Drag the
The teacher drew a kerved line.		circles and
You must always exercise cortion when swimming in new places.		drop them
Uluru is a famus place in Australia.		over the
I can see my face in the mirra .		words spelled
The bus stoped and the children got on.		incorrectly.
Jake sumtimes surprises his family by making biscuits for them.		
I offen visit my uncle at the weekend.		
Did you notis the red car?		

EDITING - harder

Circle the spelling error and write the correct spelling in the box	DRAG & OROP
Amy had groan taller over the past year.	
The snowboarders were delayed by a blizzerd.	
Allan liked working with Karen because of her positive atitude .	Drag the
Car fumes polloot the air.	circles and
The reporter asked the actor for an opinuin on the movie.	drop them
The family lived in tempory accommodation while their house was being built.	over the
The teenager seriously injured his right rist when he fell awkwardly.	words spelled
The tourist guide was ment to provide clear directions.	incorrectly
High temperatures tipically occur during the summer months.	
A number of echos sounded eerily throughout the gorge.	
The paddocks were severly damaged by erosion.	

WRITING TASK

Writing a recipe

https://www.youtube.com/watch?v=keHkhrEzSyo

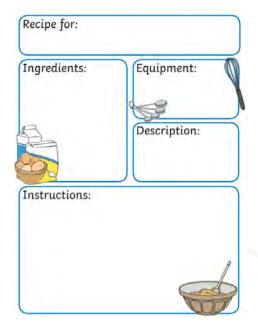
What to do:

• Click the link above and watch the video

Do the following:

- Your job will be to write a recipe using the correct format so you will need to take notes first.
- You will need to write down how much of each ingredient and then write down the steps involved in making the cookies.
- Using your notes, write a recipe using subheadings and instructions. Remember to be specific. You need to pretend the person following your instructions has never made these before so they need to know all the details.
- Check you writing to ensure correct spelling and punctuation. Also make sure your writing makes sense. It's a good idea to get someone else to read your work too.





WRITING TASK

Chocolate Chip Cookies

Ingredients:	Equipment:
Method:	



SPEAKING & LISTENING

Squiz Kids

https://www.squizkids.com.au/podcast/thursday-5-august-2021/

You will need:

• An iPad or laptop

What to do:

• Scan the QR code or click the link to listen to the podcast.

Do the following:

- Listen to the podcast episode from Thursday 4th August.
- You will choose 3 topics from the podcast to talk about with a family member. You may need to take notes while listening.
- Record what you told your family members on the next slide.

THE SQUIZ KIDS



SPEAKING & LISTENING

Squiz Kids

I told my family all about...

Type your answer here

<u>Maths</u> Week 6 Term 3

Maths Instructions:

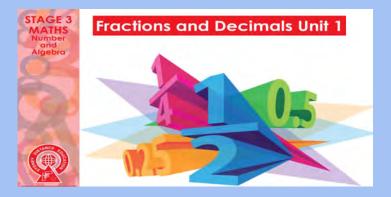
- 1. Watch the instructional videos before beginning the tasks. You may need to watch these more than once.
- Complete 1 or both activities each day activities can be completed on your slides or on paper or in a book. Please draw any tables or diagrams that you need to complete these activities.

Instructional Video Links

Fractions and Decimals (F&D)

Activity 1 Video

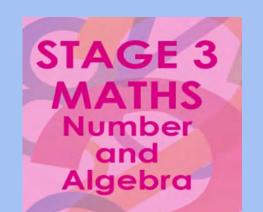
Activity 2 Video



3D Space

Activity 1 Video





Activity 2 Video



Ignition Activity - choose your level Answers for today will be posted at the end of the week MEDIUM Next Level HARD Next Level D: 55255 ID: 55256 ID: 55246 EASY EMOJI PUZZLES FOR DEVELOPING MINDS EMOTI PUZZLES FOR DEVELOPING MINDS EMOTI PUZZLES FOR DEVELOPING MINDS = 126 48 **h** + **h** = 12 56 = 234 × 19 + -= 130 46 30

Solvem[®]ji.com

Answer...

1/1 (100%)

🕑 📩

坐 🔘

0/1 (0%)

X

Solvem[®]ji.com

🕐 🕹

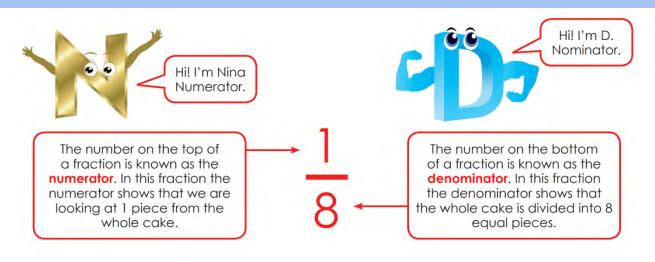
Solvem≎ji.com
1/2 (50%)

Fractions and Decimals Glossary

Glossary

- denominator: the bottom number in a fraction which shows the number of parts a shape, object or collection has been divided into
- fraction: a part of a whole or group, represented with a numerator (top number) and denominator (bottom number)
- hundredth: one part of a whole that has been divided into a hundred equal parts
- improper fraction: a fraction which is greater than one whole, the numerator is greater than the denominator
- mixed numeral: a number written as a whole number and a fraction
- numerator: the top number in a fraction which shows the number of parts of the whole
- proper fraction: a fraction which is smaller than a whole; the numerator is less than the denominator
- twelfth: one part of a whole that has been divided into twelve equal parts
- unit fraction: a fraction where the numerator is the number 1. This is one part of the whole.

Fractions and Decimal (F&D) Revision



 $\frac{1}{8}$ is a **unit fraction**. Look at the definition of a unit fraction below.

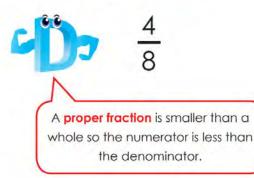




A unit fraction is a fraction where the numerator is the number 1. This is one part of the whole.

They told Penny that there are two types of fractions. Look at these types explained below.

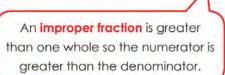
Proper Fractions



Improper Fractions

3

8



Activity 1- F & D

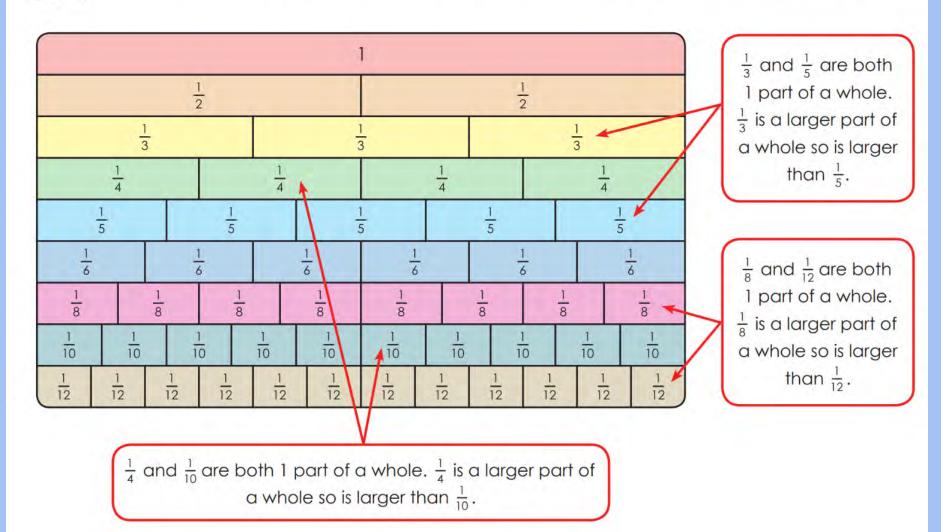
Fractions with the same denominator can be ordered on a number line. The numerator shows the number of parts of the whole. For example, the fraction $\frac{3}{8}$ means 3 parts of the whole. The higher the numerator, the larger the fraction.

The number line below shows fractions in order between 0 and 1. The digit 1 represents a whole number and it also represents the fraction $\frac{4}{4}$ on the number line. When the numerator and denominator of a fraction are the same it means that the fraction can also be represented as a whole number.

1. Put the fractions from the box onto the number line between 0 and 1.



Look at the fraction wall below which can be used to compare the size of fractions. Read the labels next to the wall comparing the size of different fractions and think about how the denominator changes in both fractions.





Complete the questions below, using the fraction wall to help you. Explain how you found each answer.

1. $\frac{1}{5}$ and $\frac{1}{3}$ are 1 part of a whole. Which fraction is a larger part of a whole?

2. $\frac{1}{8}$ and $\frac{1}{12}$ are 1 part of a whole. Which fraction is a larger part of a whole?

3. $\frac{2}{8}$ and $\frac{2}{6}$ are parts of a whole. Which fraction is a larger part of a whole?

4. $\frac{6}{10}$ and $\frac{4}{5}$ are parts of a whole. Which fraction is a larger part of a whole?



4b) Record which fractions are improper fractions.

7	10	2	14	6	1	9
8	8	8	8	8	8	8

5. Imagine that you have been asked to make an order for cakes. Each cake is divided into 8 pieces. Fill in the lists below with proper and improper fractions.

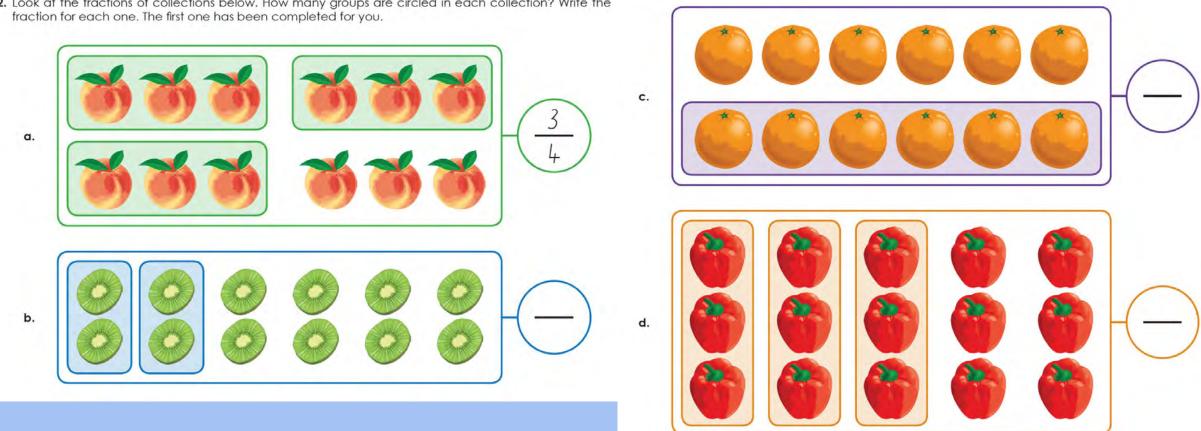


Cake	Pieces	Fraction
coconut cakes		
caramel cakes		
cheesecakes		
black forest cakes		



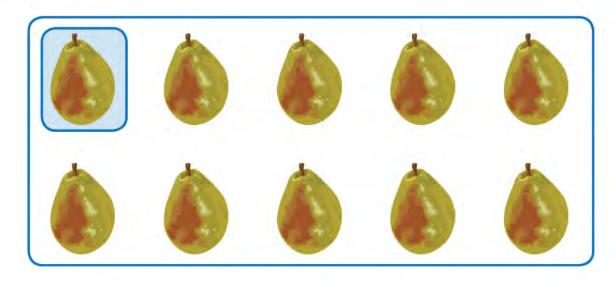
Think about the following questions.

- Which of the fractions from the table above are proper fractions and which are improper fractions?
- How do you know which type of fraction they are?



2. Look at the fractions of collections below. How many groups are circled in each collection? Write the fraction for each one. The first one has been completed for you.

- 1. Look at the collection of pears below.
- a. How many pears in the collection?
- b. How many pears are circled?
- c. What fraction of the collection is this?



 $\frac{1}{10}$ is a unit fraction. If we want to find $\frac{1}{10}$ of the collection then we need to divide the pears into 10 equal groups.

How many are in each group? 1 pear

 $\frac{1}{10}$ of 10 is therefore 1.

If the denominator and the number of objects in the collection are the same number then it is easy to work out the unit fraction of a collection.

What if the denominator is different to the number in the collection?

- How would we find $\frac{1}{5}$ of 10 pears?
- 2. Look at the collection below.



- **a.** To find $\frac{1}{5}$ of 10 divide the collection into five equal groups then count how many pears are in each group.
- b. How many pears are in each group?
- c. Complete this number sentence.

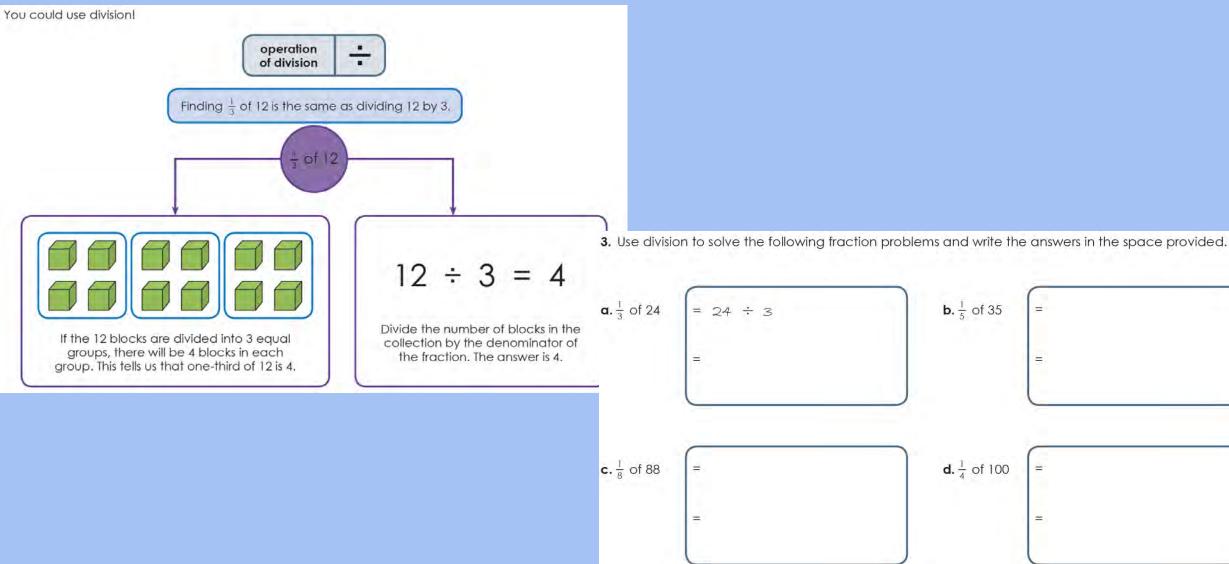
$\frac{1}{5}$ of 10 =	
$\frac{1}{5}$ or 10	

Count out 12 items e.g. blocks, buttons etc. How would you find $\frac{1}{3}$ of 12?

d. Divide your 12 blocks into three equal groups. Alternatively, circle the blocks above to make three equal groups. How many blocks in each group?

There are _____ blocks in each group.

How would you solve this fraction problem without using blocks? What operation could you use?



4. Read the story below then solve the word problems by calculating the unit fraction of the collection.

The students of Harbourside Primary School are celebrating Harmony Day. Year 6 Blue, which has 24 students, is taking part in some craft activities. Peter and Anh have been asked by their teacher to get the equipment ready. To do this they need to know how many students are taking part in each activity. Can you help them solve these problems? The first one has been done for you.

a. $\frac{1}{2}$ of the 24 students are painting flags. They will need one paint brush each.	b. $\frac{1}{8}$ of the 24 students are doing origami. They will need one piece of paper each.
How many paint brushes are needed altogether?	How many pieces of paper are needed altogether?
$\frac{1}{2}$ of 24	
$24 \div 2 = 12$ paint brushes	

c. $\frac{1}{6}$ of the 24 students are each tie-dying one bandana.

How many bandanas are needed altogether?

d. The rest of the students are making paper lanterns. They each need a pair of scissors.

How many pairs of scissors will they need?

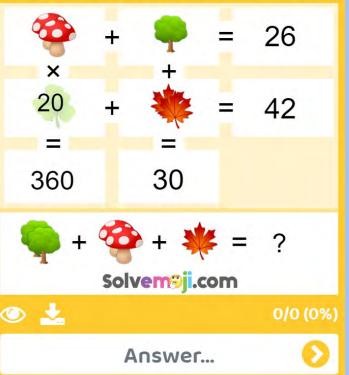


Ignition Activity - choose your level

Answers for today will be posted at the end of the week



ID: 55247 MEDIUM NEXT LEVEL EMOTI PUZZLES FOR DEVELOPING MINDS





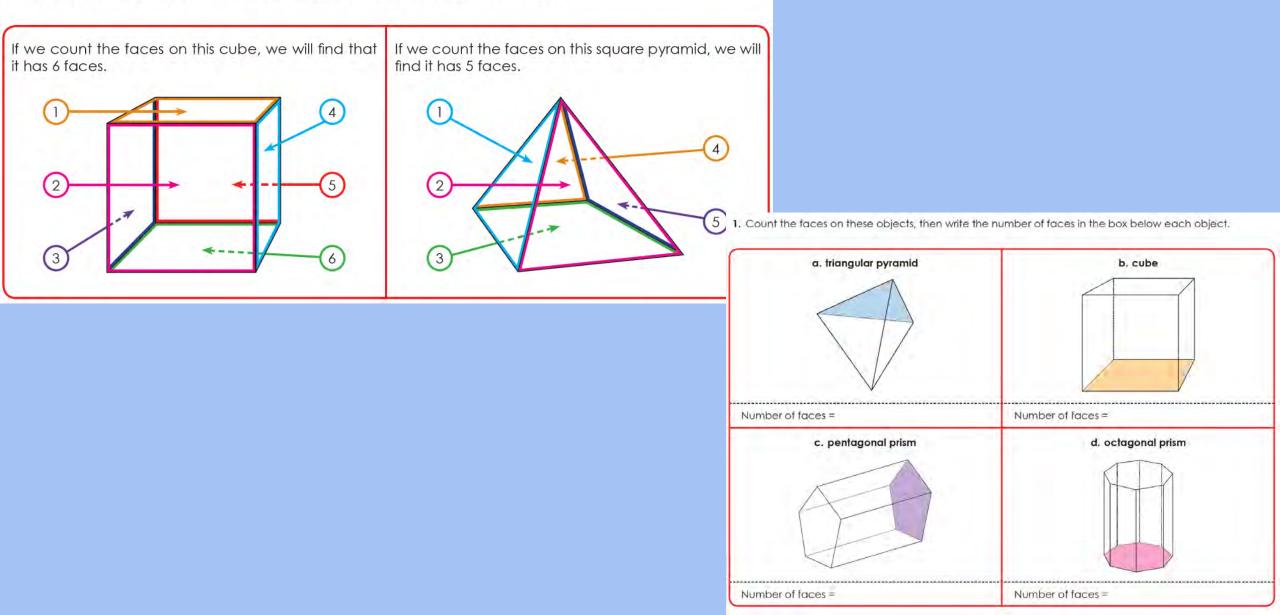


3D Space Glossary

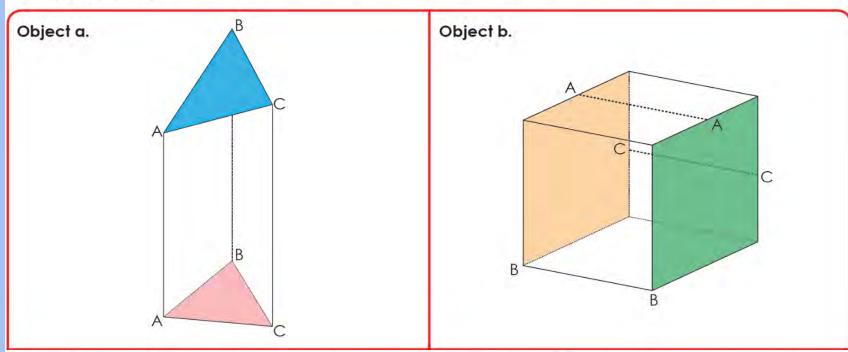
Glossary

- apex: the highest or top point above the base of a pyramid or cone
- base: the bottom or end face of a solid
- cross-section: the shape of a face created by cutting a 3D object parallel to the base
- edge: the line formed where two faces meet on a 3D object
- face: any flat surface of a 3D object
- three-dimensional (3D): an object that has three dimensions: height, width and depth
- vertex: a point where three or more edges of a 3D object meet

All 3D objects have two or more faces. Faces are the flat surfaces on 3D objects.



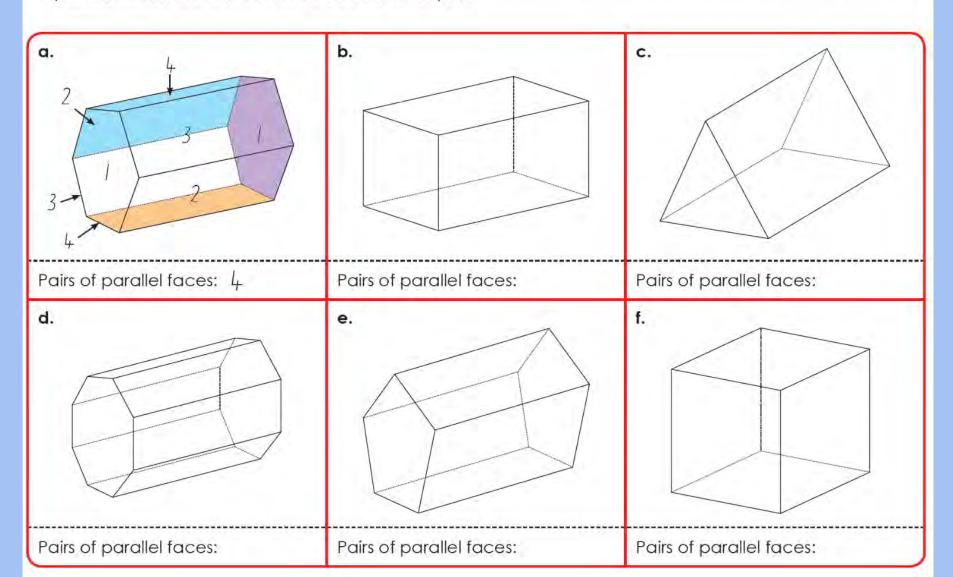
Parallel faces are two faces opposite each other on an object that are exactly the same distance apart at every point.



The two coloured faces on object a are not parallel. How do we know?

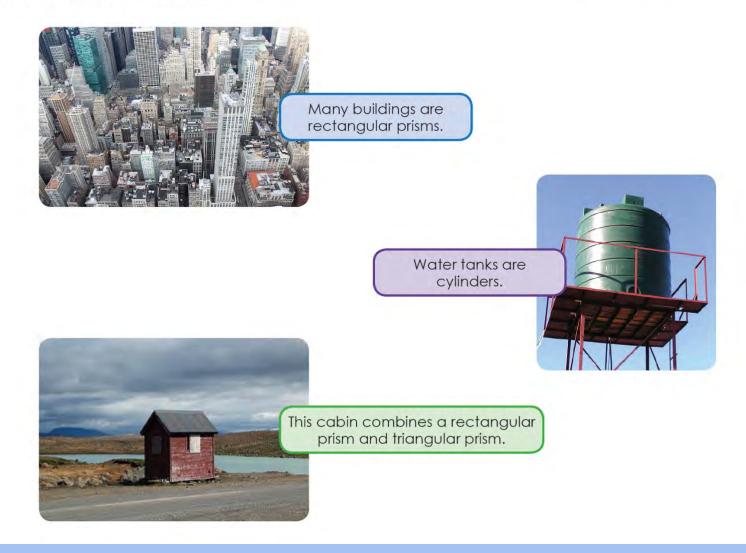
- object **a**. Notice how the distance between each point is different? Parallel faces are the same distance apart at every point, so these faces cannot be parallel.
- The distance between each point on object b is the same. This means that the coloured faces are
 parallel, in fact all the opposite faces are parallel.

3. Number the parallel faces on the prisms below. In the box below each prism, write the number of pairs of parallel faces. The first one has been done for you.





The 3D objects you know such as cylinders, rectangular prisms and pyramids are the basic objects used to build many real-life structures.



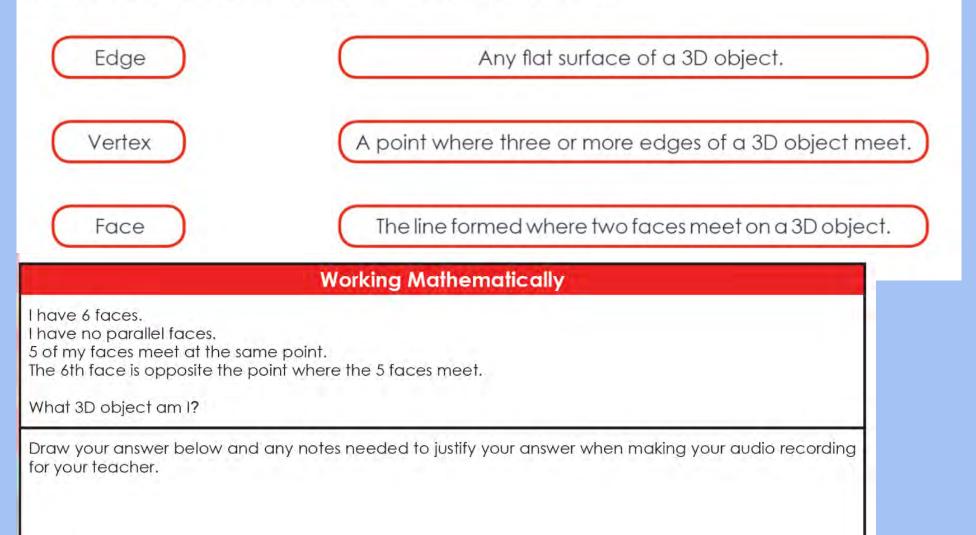
The dice in this backgammon set are cubes. The counters are cylinders and the case itself is made from a rectangular prism.



1. Look around you and try to identify the basic 3D objects in structures you can see. List the structures and the 3D objects that they are constructed from in the table below. To get you started, what is the basic object of the desk or table you are sitting at?

Structure	3D objects

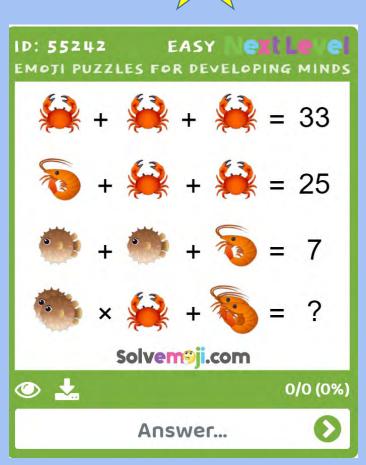
1. Draw a line to match each feature to its correct definition.

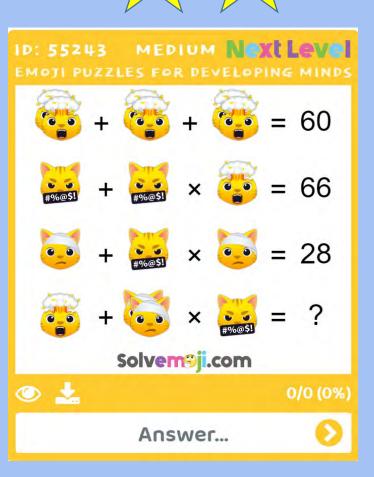




Ignition Activity - choose your level

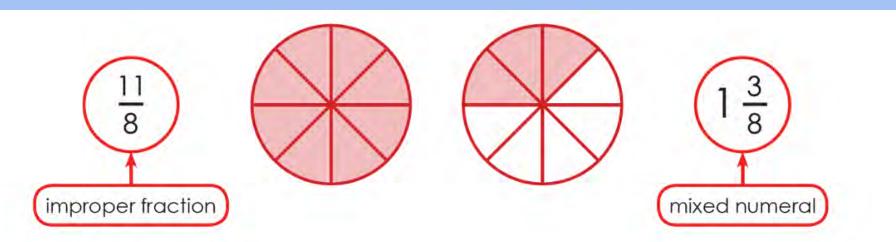
Answers for today will be posted at the end of the week



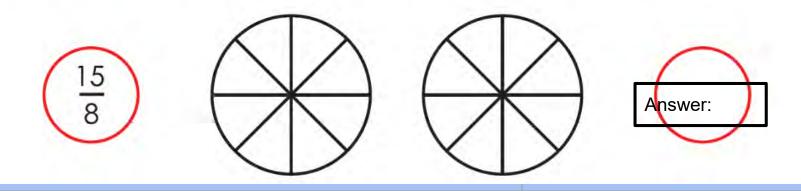




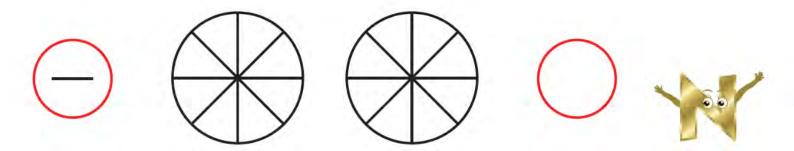




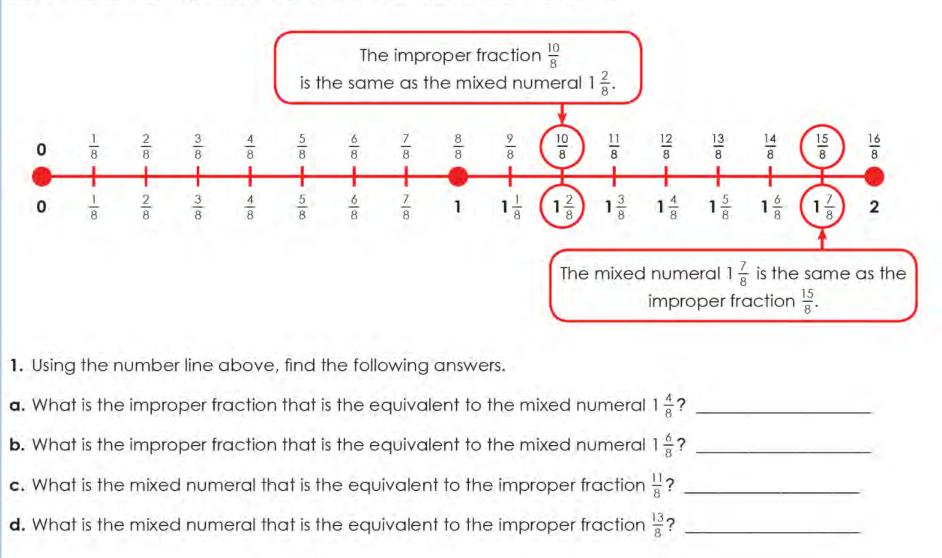
- This fraction has 1 whole and $\frac{3}{8}$ parts of cake.
- Now it is your turn to change improper fractions and mixed numerals. Complete the questions below.
- 4. Shade $\frac{15}{8}$ in the circles below and write it as a mixed numeral in the blank circle.



- 5. Write $1\frac{2}{8}$ as an improper fraction and shade it on the circles below. 28 6. Look at the fraction represented on the circles below. Write it as an improper fraction and mixed numeral.
- 7. Choose an improper fraction. Write it in the circle provided and as a mixed numeral then shade it on the circles.



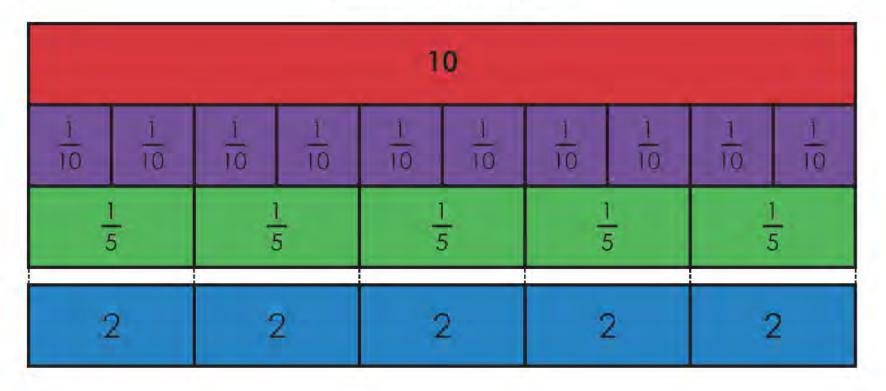
When you have improper fractions and mixed numerals on a number line, it is easy to see which ones are equivalent (the same). Look at the examples on the number lines below.



Question	Your Answer
а	
b	
C	
d	

Another way to work out a fraction of a collection is to use fraction strips. These fractions strips demonstrate how to find $\frac{2}{5}$ of 10.

Step 1: We need to split the whole number 10 into fifths and work out which fraction goes in each part of the strips. This is the same as sharing out 10 into 5 equal parts or dividing 10 by 5.

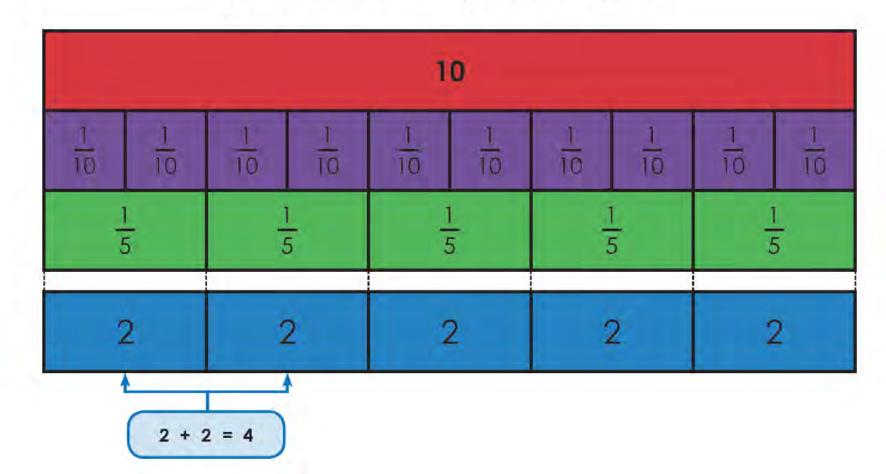


1 fifth of $10 = (10 \div 5) = 2$

Step 2: Now we have found out $\frac{1}{5}$ of 10, the next step is to find out $\frac{2}{5}$ of 10.

We do this by adding together 2 of the fifths or the number of 2s that have been shaded.

```
\frac{2}{5} of 10 = 2 + 2 = 4 Or \frac{2}{5} of 10 = (10 ÷ 5) x 2 = 4
```



Calculating fractions of a collection can be done using a division sum.

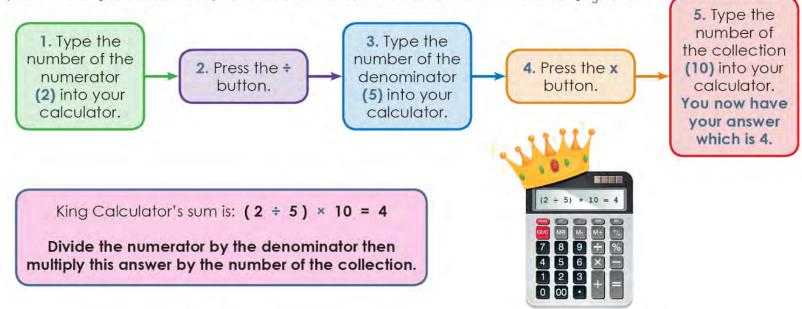
Look at the steps below on how to find $\frac{2}{5}$ of 10.

/	Step 1 : Find $\frac{1}{5}$ of the collection. Divide the whole number (10) by the denominator.	$\frac{1}{5}$ of 10	10 ÷ 5 = 2
/	Step 2: To find $\frac{2}{5}$, multiply the answer to step 1 by the numerator.	$\frac{2}{5}$ of 10	2 × 2 = 4



The answer to $\frac{2}{5}$ of 10 is 4.

A calculator can be used to help you find a fraction of a collection. When we use a calculator to find a fraction, the order that we key in the operations is a little bit different to how you would do it in your head. If you are using a calculator, you would follow the instructions below for finding $\frac{2}{5}$ of 10.



3. Use your calculator to work out the answers to the following fraction problems. Write the answers in the space provided.

a. $\frac{3}{4}$ of 20	b. $\frac{5}{6}$ of 36	c. $\frac{7}{12}$ of 144	d. ²³ / ₁₀₀ of 200

4. At lunchtime on Harmony Day, some classes at Harbourside Primary set up a display of their completed craft work. The plan of the playground (made up of 20 squares) should show the areas taken up by each class for their display. Colour in the squares used by each class using the information given below. You may use your calculator to help you.

	1	

Playground Plan

- a. Year 6 Blue used one-quarter of the space. Use a blue pencil to colour in the correct number of squares on the plan.
- **b.** Year 6 Green used two-fifths of the playground. Colour their area green on the plan.
- c. Year 5 Red needed to use three-tenths of the playground. Use a red pencil to colour in their area.
- **d.** How much space was left for Year 5 Orange? What fraction of the playground is their area?

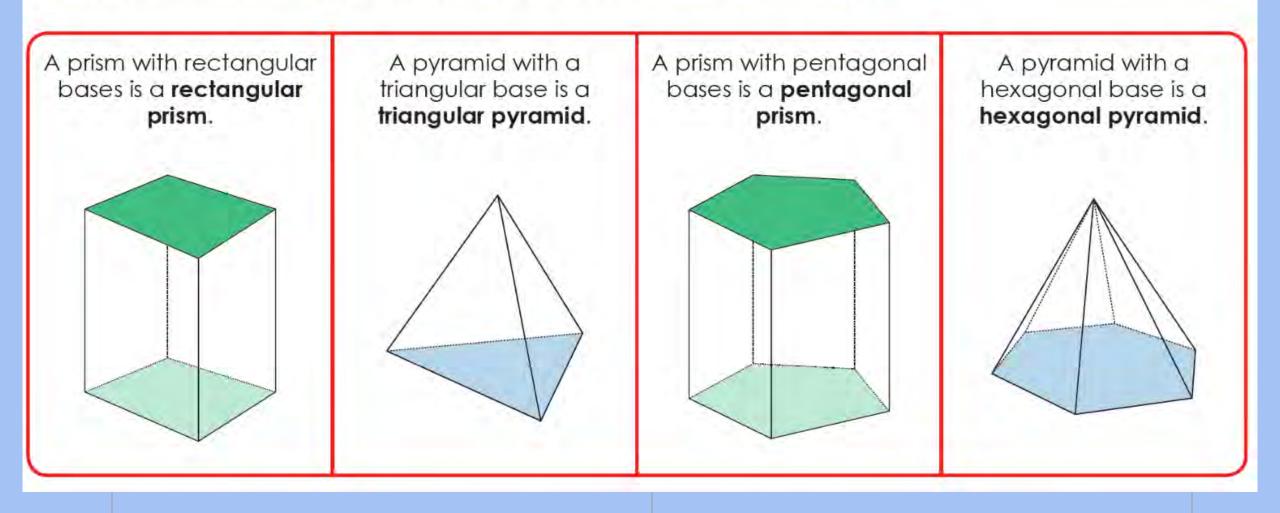


Ignition Activity - Make 100

Click on the picture to play the game online. Snip your results and paste it on this slide.

Roll the dic	e			_	
			ROLL		
Make a cald	culation				
select	~ select	~	Go		
Results					
Dice throw Cal	culation Value Runn	ning total			

We name pyramids and prisms according to the shape of their base or bases.



By Dnalor 01 - Own work. CC BY-SA 3.0 at. https:// commons.wikimedia.org/w/index.php?curid=38457335

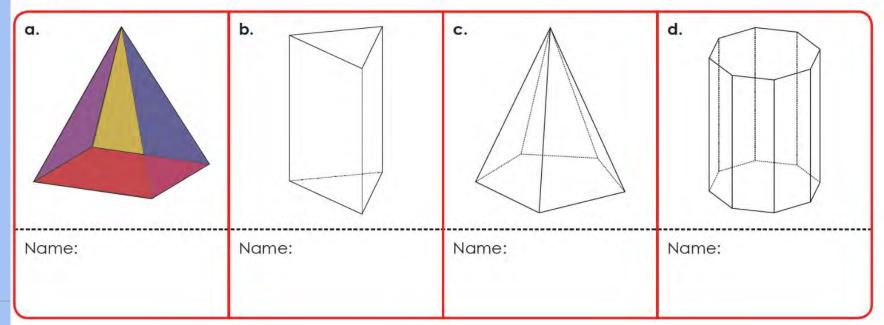


This building in Rome is an octagonal prism.



This pyramid in Paris is a square pyramid.

1. What types of prisms and pyramids are these 3D objects? Name them according to the shape of the base.



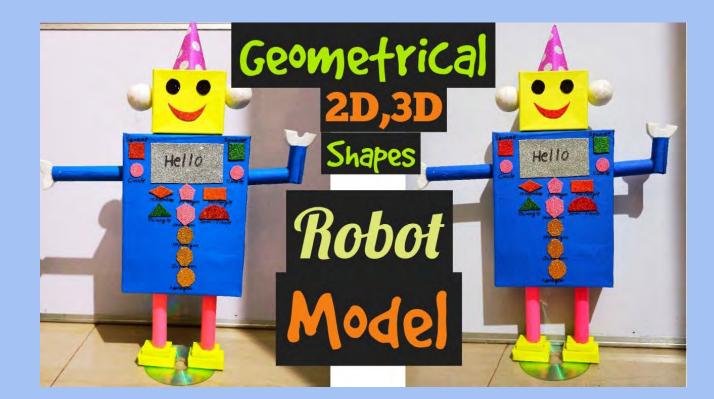
3D Object- Challenge

Your task is to design and Construct a Robot using 3D Objects that you have either made from a net or found around the house.

2. Sketch a basic design of the model you are going to make. The design should show the 3D objects you are using to make your model. Some examples of design sketches are on the next page.

Some ideas for your design:





3D Object- Challenge

3. Construct your model, making sure you follow your design.

Tips:

- Boxes of all shapes and sizes are easy to find and make great prisms.
- Cans and bottles can be used for cylinders. (Use plastic bottles and be careful of sharp edges on empty cans.)
- Pyramids can be hard to find, so you may need to make a pyramid out of a net.
- Nets for constructing 3D objects can be found at this website:

www.korthalsaltes.com

 Once you have finished building your model, take a picture of your model. Send the picture and your design sketch to your teacher.



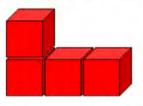
Ignition Activity - The Third Dimension

If you need dot paper, click here. Answers for today will be posted at the end of the week.

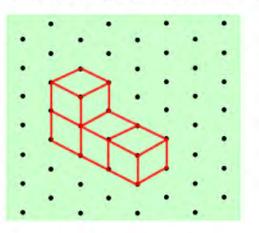
The Third Dimension

Age 5 to 11 Challenge Level ***

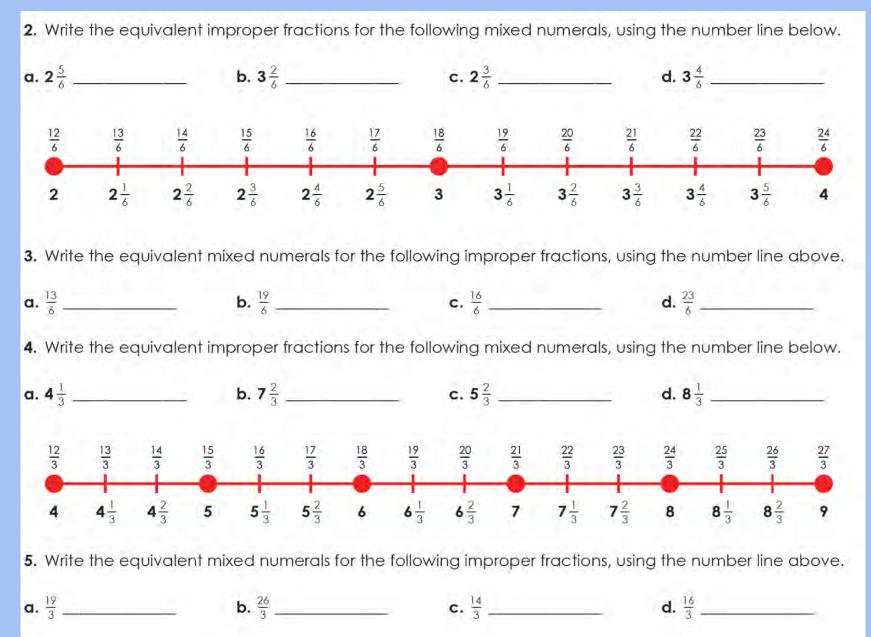
Here are four cubes joined together:

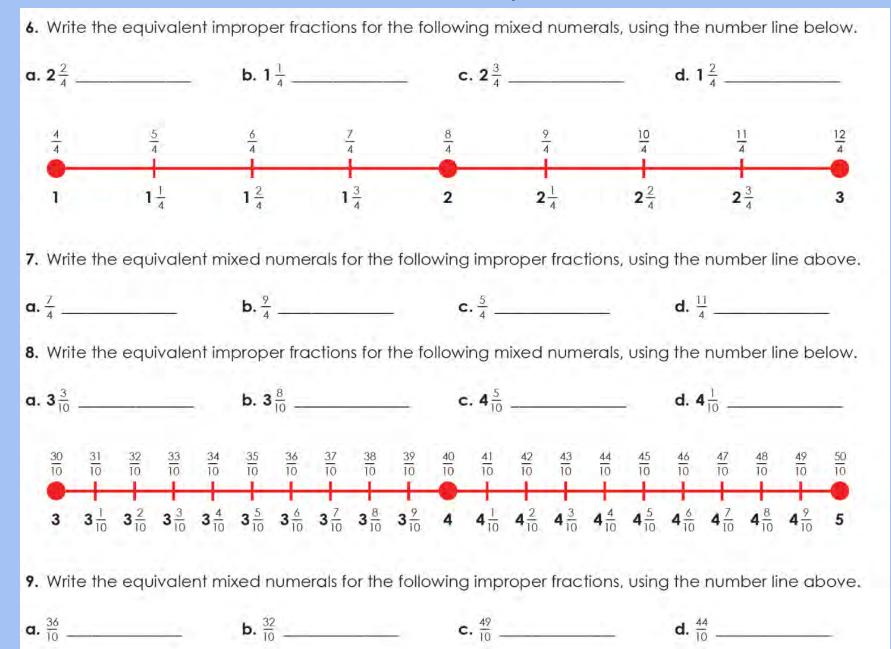


We can draw this arrangement of cubes on dotty paper (isometric paper) which gives us a way of drawing 3D objects more easily:

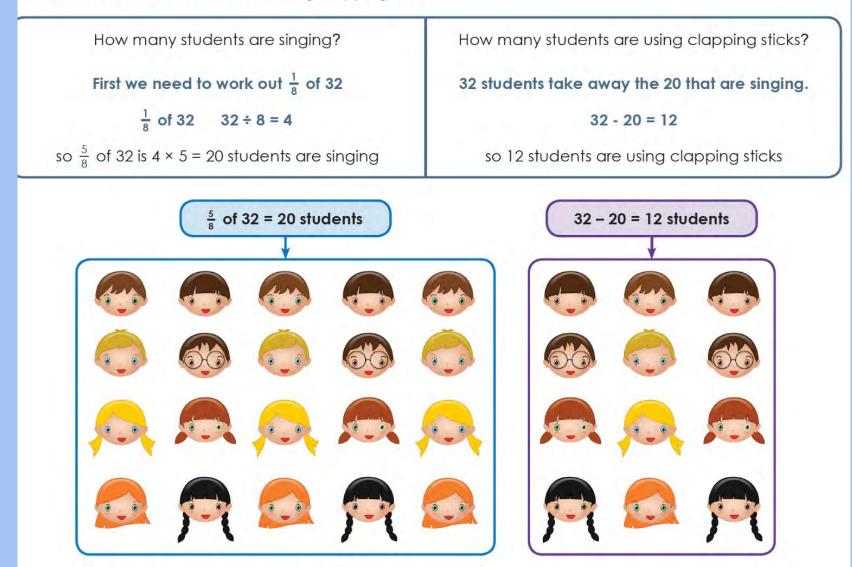


How many other arrangements of four cubes can you find? Can you draw them on dotty paper? It's more difficult than it looks!





Example: Thirty-two students performed the song My Island Home. There are $\frac{5}{8}$ of the students singing in the choir. The rest of the students are using clapping sticks.



Solve the following word problems. Show your working.

1. A demonstration of karate is given by twenty-four students. One-third of these karate kids have white belts and $\frac{3}{8}$ of them have green belts. The rest have blue belts.

a. Are there more students with white belts or green belts?

b. How many students have blue belts?

c. The karate teacher wants the blue belts and green belts in the front row for the demonstration. How many students will be in the front row?

- 2. Forty-two students are performing some Polynesian dances. Half of the students are wearing yellow costumes and $\frac{2}{6}$ are wearing white costumes. The rest of the group are girls wearing traditional red dresses.
- a. How many students are wearing yellow?

b. How many students are wearing white?

c. Only the girls wearing traditional red dresses performed the second dance. How many people are on stage for the second dance?

d. For the third dance, two-thirds of the students wearing yellow joined the girls in red dresses on stage. How many students performed the third dance?

Working Mathematically

Restaurant Jean is hosting a special dinner for 60 people.

- · One-quarter are eating a main meal of chicken cassoulet
- · Five-twelfths are having duck with plum sauce
- Eleven people have requested a vegetarian meal
- The rest of the diners need gluten-free meals.

In the space below, write your answers and any notes needed to justify your answers when making your audio recording.

a. The gluten free meals come with a salad. How many salads will be needed?	
b. How many people altogether will be served either chicken or duck?	
c. Which dish is more popular, duck or chicken?	
d. The diners are divided evenly among 6 tables. What fraction of the collection are on each table?	

Optional Weekly Challenge

MAGICAL mathematics ξ^ήζ^μ

You will need:

Pencil and paper

1. Refer to the magic square example. Add the rows. Add the columns. What did you notice? Write it down.

2. Add the diagonals. What did you notice?

- 3. Create your own 3 x 3 magic square. The columns, rows and diagonals should equal the same amount.
- 4. Using the example magic square and your magic square, add them together. Do this by adding the same numbers that have the same position. Produce a new square as your answer.
- 5. You now have a new square. What do you notice about this square?
- Extension: create a magic square using fractions or decimals.

816357492

Want more Maths?

You can also go onto Mangahigh or Studyladder

Ask your teacher if you need your login details.

Investigation whole number, addition and subtraction, fractions and decimals Mathematics

Let's Visit Canberra!

J ALE

DON'T MISS THE BUS!

Let's Visit: Questacon SCIENCE MADE FUN!

A favourite activity of students at Questacon is the 'Free Fall'

ANTIGARE SCENE AND TROOGRAFT

https://www.voutube.com/watch?v=ntiwt4CZ37U

Explain the science behind a free fall.

Watch the video of what

to expect when you visit

https://conberraexcursions.org.gu/guestacon

Watch this

Click on the image to try a cool Science Experiment from Questacon:



Answer your Questacon questions here:

Let's Visit: The Australian Institute of Sport

Click on the image of the Institute of Sport to watch the introductory video. then answer the following questions:



What is your favourite sport and why?

If you could go to the 2032 Olympics in Brisbane and represent your country in any event, what would that event be?

Could you train at the AIS for this event? Why or why not?

The Australian Institute of Sport

Now <u>CLICK HERE</u> to explore the 'Healthy Kids' site from the Australian Institute of Sport.

Complete ONE of these allocated tasks of your choice.

AIS Sport Oval Section: Click on 'I Can Do That' (Activity 6) and complete the task.

Games Room Section: Click on 'This is Me' (Activity 1) and complete the task.

Community Garden: Click on 'Pollinator Garden' (Activity 2) and complete the task.

Canteen: Click on 'Hydration Station' (Activity 2) and complete the task.

Extension: Complete the 'Design Your Own Athlete Village' Challenge.



Complete your activity here. Take photos of your project and share these as well.

Let's Visit: The War Memorial

autoriza in

Watch this Virtual Excursion on the War Memorial https://www.youtube.com/watch?v=gmLLaMH1b7U

Write a description of what you think it would be like to serve your country during a World War.

Write your war description here:



Let's Visit: The National Dinosaur Museum

Yunu

Welcome to the National Dinosaur Museum

1. Click on the Tyrannosaurus Rex for your virtual tour of the museum.

2. Now watch the following video link to hear some great facts on the history of dinosaurs.

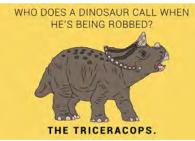
https://www.youtube.com/watch?v=KfsYD2O3QVc

Select your favourite dinosaur.

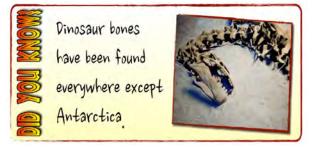
Write 10 Fascinating Facts about your dinosaur and present it in a ROARSOME interactive poster on the next slide.



Use pictures, colour and other engaging tools like video links and moving graphics.







Make your poster here

Let's Visit: The Royal Australian Mint



After you have read all the fascinating facts about Australian coins and the Royal Australian Mint, try some of the following interactive games and quizzes by clicking on the 2 dollar coin.



Who is the man featured on the Australian \$2 coin? Why is he so important to our history? Answer the Mint questions here:

Let's Visit: The National Art Gallery

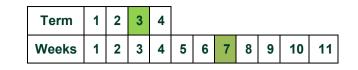
<u>CLICK HERE</u> to go on virtual tours of some of the galleries within the National Art Gallery. Jenny Kee is a famous Australian artist who is featured in the National Art Gallery. All of her art represents beautiful Australian native plants.

<u>CLICK HERE</u> to participate in an artwork with Jenny Kee. Remember to take a photo of your finished product and share it with your teacher and class.

If you do not have coloured paper at home, you could always colour in some white paper in the correct colours. Show your artwork here:



Erina Heights Public School Learning from Home - Stage 3



	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Daily Zoom Meeting	5B Zoom Link	5/6R Zoom Link	<u>6S Zoom Link</u>	
Morning	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities
	Recess Break				
Middle	Maths Activities	Maths Activities	Maths Activities	Maths Activities	Maths Activities
	Manga High	Manga High	Manga High	Manga High	Manga High
	Lunch Break				
Afternoon	A Week of STEM	A Week of STEM	A Week of STEM	A Week of STEM	A Week of STEM
Optional Activities	Last year, the Office of the Advocate for Children and Young People launched a website called Digital Lunchbreak. Children and young people can learn, create and discover through digital workshops, learning materials, virtual excursions and more. Visit the Digital Lunchbreak website by clicking here <u>www.digitallunchbreak.nsw.gov.au</u>				

Literacy Activities

Stage 3– Week 7,~

EXPECTATIONS

'Strive for progress, not perfection'

- Do one activity each day.
- If you get stuck, send your teacher a message on Google Classroom.
- You can add extra slides to do your answers, otherwise you can do your work in a Google doc or workbook at home.
- **Please Note:** These tasks are the same as Stage 2, however, our expectation is that as a Stage 3 student, you will be providing more detailed and extended answers, justifying your reasons and giving examples.
- Submit your work on Google Classroom.
- Do the best you can! 😂

You' Never be bored when you try There's really no limit to what you can do! - Dr. Seuss

KIDS NEWS

Plastics a major danger to our green and loggerhead turtles

https://www.kidsnews.com.au/animals/plastics-a-major-danger-to-our-green-andloggerhead-turtles/news-story/635107c1cd6b369681f21d62e7d0b217 What to do?

• Scan the QR code or click the link above to be taken to the website.

Answer these questions on the next slide:

- What percentage of loggerhead turtles had ingested plastics off the Queensland coast?
- Which turtles are thought to be most at risk and why?
- How many marine species are estimated to have interacted with plastics?
- One turtle off the Indian Ocean was found containing how many pieces of plastic?
- What kind of plastic was more commonly found in the Pacific Island turtles?

Extension

How can you reduce plastic waste polluting our oceans. Answer this on slide 5.





KIDS NEWS

Plastics a major danger to our green and loggerhead turtles

What percentage of loggerhead turtles had ingested plastics off the Queensland coast?

<Type>

Which turtles are thought to be most at risk and why?

<Type>

How many marine species are estimated to have interacted with plastics?

<Type>

One turtle off the Indian Ocean was found containing how many pieces of plastic?

<Type>

What kind of plastic was more commonly found in the Pacific Island turtles?

<Type>



KIDS NEWS - Extension

What can you do to reduce plastic waste in our oceans?

Think of five big ideas for reducing the plastic waste polluting our oceans and record them in the first column below. In the second column, pretend you are in government and explain how you would implement these actions. There is an example done for you.

Ways to reduce plastic waste.	What would I do if I were in government to implement this action.
Use biodegradable packaging for foods at takeaway cafes at surf clubs. No plastic to be used.	Make it a law that surf club takeaways are only allowed to use biodegradable packaging for their takeaway items.

VOCABULARY

Definitions, Synonyms & Antonyms

Complete the table below. Do not copy and paste the definition, it **MUST** be in your own words.

Word	Definition	Two Synonyms	One Antonym
Enemy		1. 2.	1.
Disagree		1. 2.	1.
Crowd		1. 2.	1.
Common		1. 2.	1.
Obvious		1. 2.	1.
Misfortune		1. 2.	1.





LITERACY GAMES

Practise your reading and typing skills -20 minutes.

Click the images to access the games.



In this game you need to read the text in the cloud and then work out which tree has the correct main idea.

To play this game, you need to read the sentence at the top of the screen and then grab any supporting evidence in the game. You press 'g' to grab the evidence.

This is a typing practise game. You type the words as quickly as you can to beat your opponent.

WRITING TASK - Idioms

An idiom is a word or phrase which means something different from its literal meaning.

For example:

- She spilled the beans
- Once in a blue moon

Your Task:

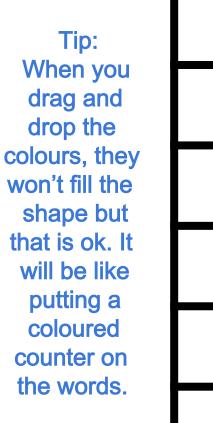
Find the meanings of the following idioms. You may research their meanings on the internet.

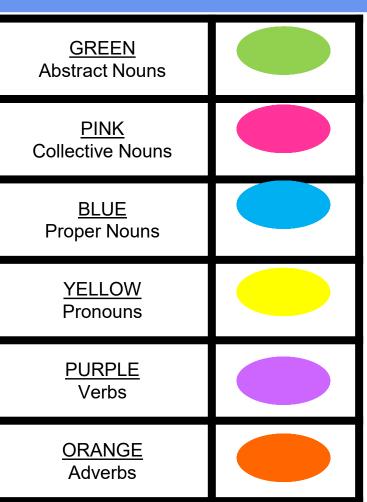
Idiom	Meaning
Eats like a bird	
She let the cat out of the bag	
When pigs fly	
I'm on top of the world	
It's a piece of cake	
l smell a rat	
Back to the drawing board	

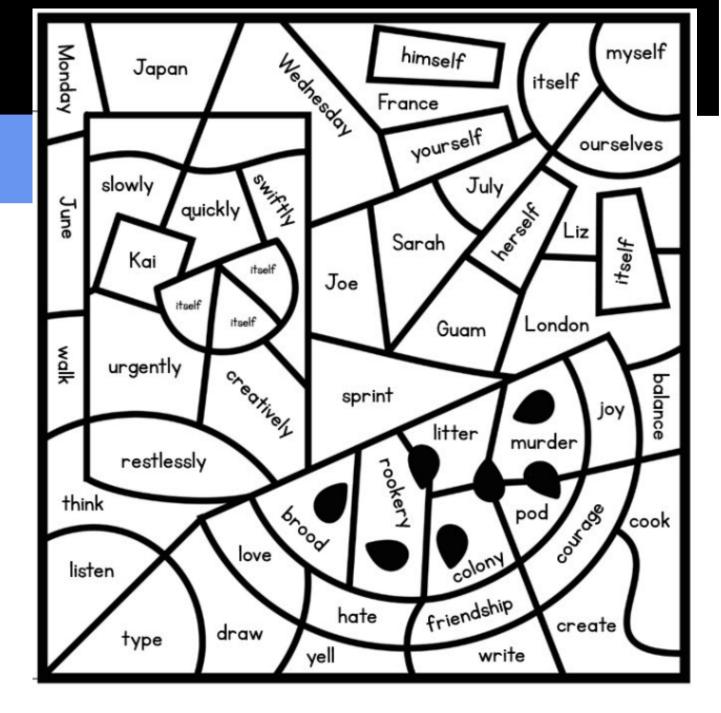


GRAMMAR

Use the code to colour the picture. You can drag and drop the colours onto the picture.







<u>Maths</u> Week 7 Term 3

Maths Instructions:

- 1. Watch the instructional videos before beginning the tasks. You may need to watch these more than once.
- Complete 1 or both activities each day activities can be completed on your slides or on paper or in a book. Please draw any tables or diagrams that you need to complete these activities.

Instructional Video Links

Fractions and Decimals

Fractions and Decimals Y5 ...

3D Objects

Activity 1 Video



Cross Sections

LINCOLN LEARNING



Activity 2 Video

Activity 1 Video

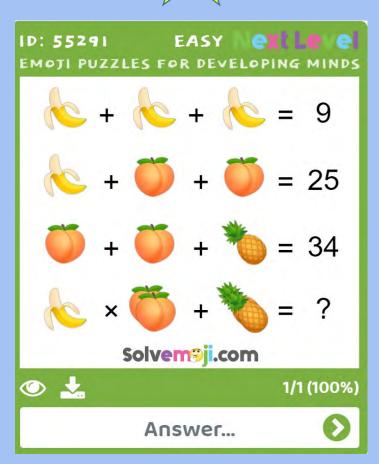
Activity 2 Video



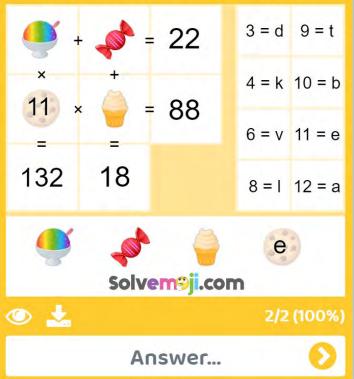


Ignition Activity - choose your level

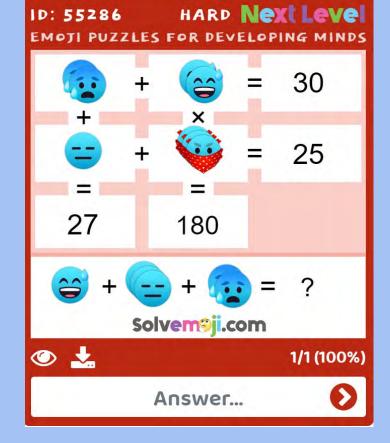
Answers for today will be posted at the end of the week



ID: 55271 MEDIUM NEXT LEVEL





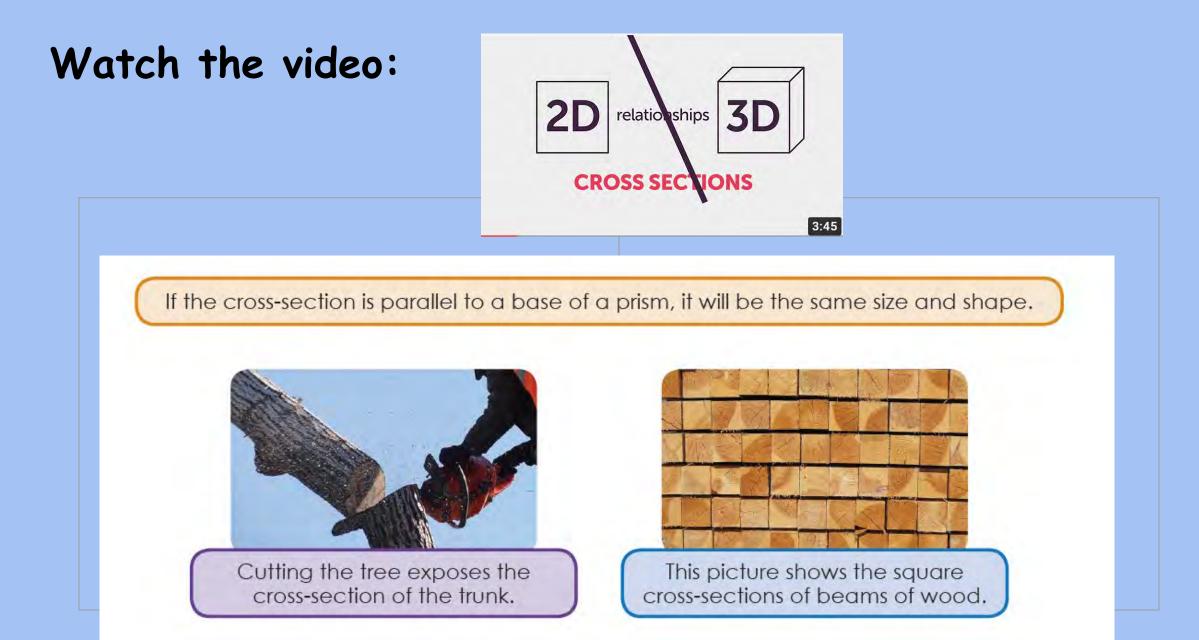


3D Space Glossary

Glossary

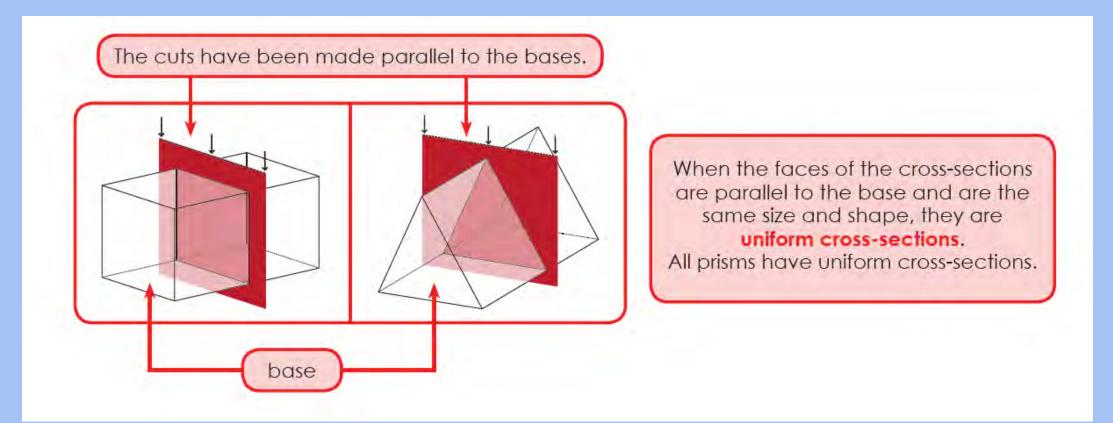
- apex: the highest or top point above the base of a pyramid or cone
- base: the bottom or end face of a solid
- cross-section: the shape of a face created by cutting a 3D object parallel to the base
- **depth:** the dimension of a 3D object inwards from its surface
- edge: the line formed where two faces meet on a 3D object
- face: any flat surface of a 3D object
- net: a 2D shape that can be folded to make a 3D object
- parallel: pairs of lines or faces that are always exactly the same distance apart
- section: a cut through an object that is not the same size and shape as the base
- three-dimensional (3D): an object that has three dimensions: height, width and depth
- uniform cross-section: a cross-section that is the same size and shape throughout a 3D object
- vertex: a point where three or more edges of a 3D object meet

Cross sections



Cross sections

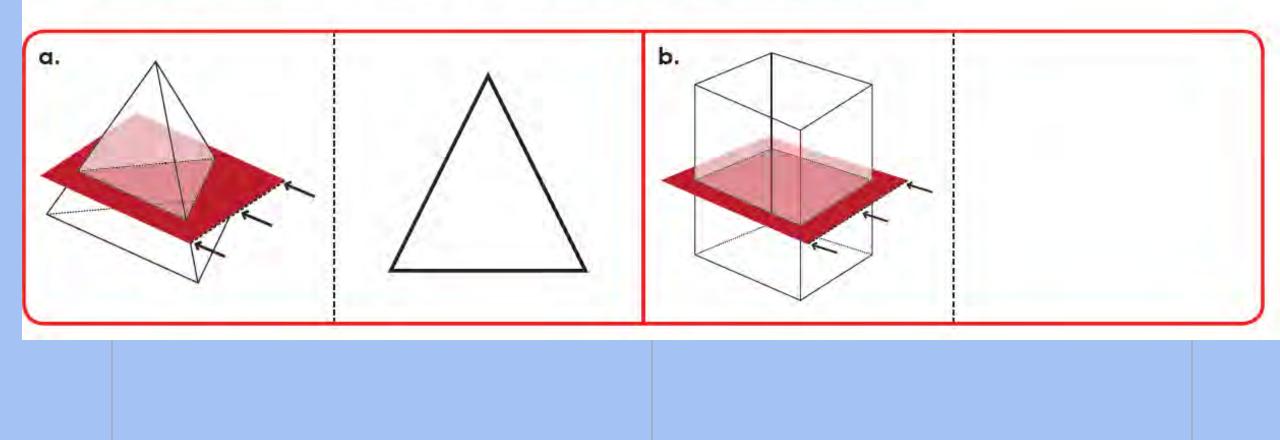
Look at the diagrams below. They are prisms with cuts (in red) parallel to the base. These two prisms have been cut to show their cross-sections.



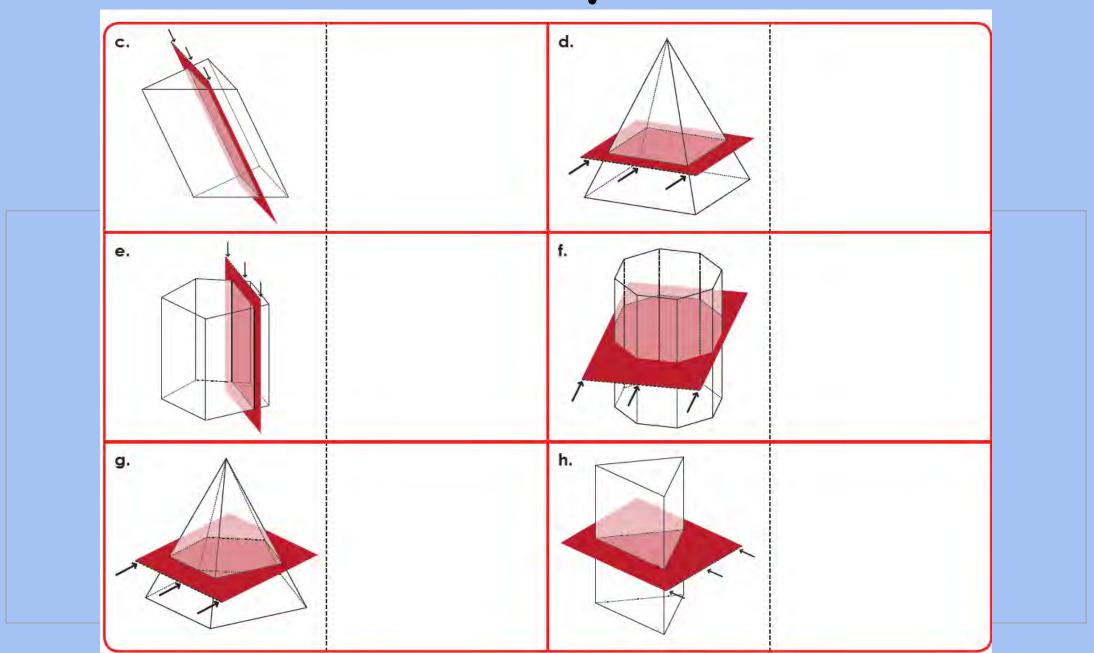
Activity 1

Now it's your turn.

2. Draw the shape of each cross-section. The first one has been done for you.



Activity 1



Activity 2

Let's try creating some cross-sections.

- 1. You will need: plasticine and a knife or very thin string such as fishing line.
- Using some plasticine, make two rectangular prisms.
- Use the knife or fishing line to carefully cut **one prism** into two pieces. Make sure your cut is parallel to the base.



Answer these questions based on the image above:

- a. Is the face of the cross-section the same shape or a different shape to the base?
- **b.** If you made another cut parallel to the base, would the cross-section be the same shape or a different shape? Why?

Activity 2

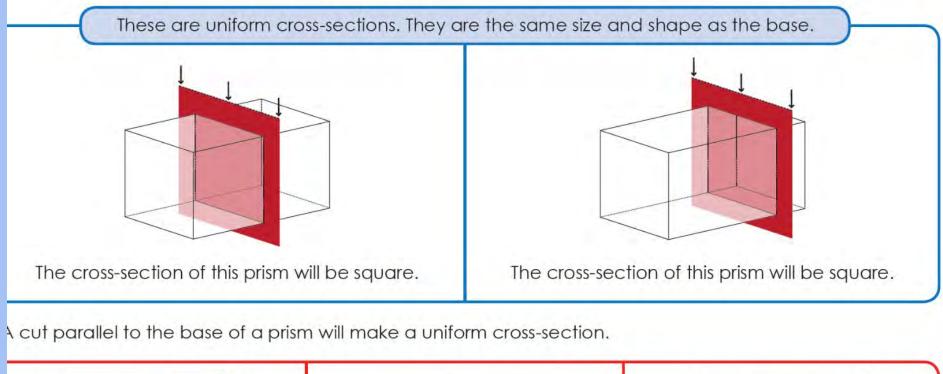
2. Now cut the second prism into two pieces so that the cut face is a different size and shape to the base of the prism.

How did you cut the prism? Describe your cut and draw a diagram. Hint: was the cut parallel to the base?

This cut is called a **section**. It is not the same size and shape as the base.

et's look at the cross-sections of rectangular prisms and cubes.

he face of a cross-section can change depending on where you cut a prism.





These slices of toast are uniform cross-sections cut from a loaf of bread.

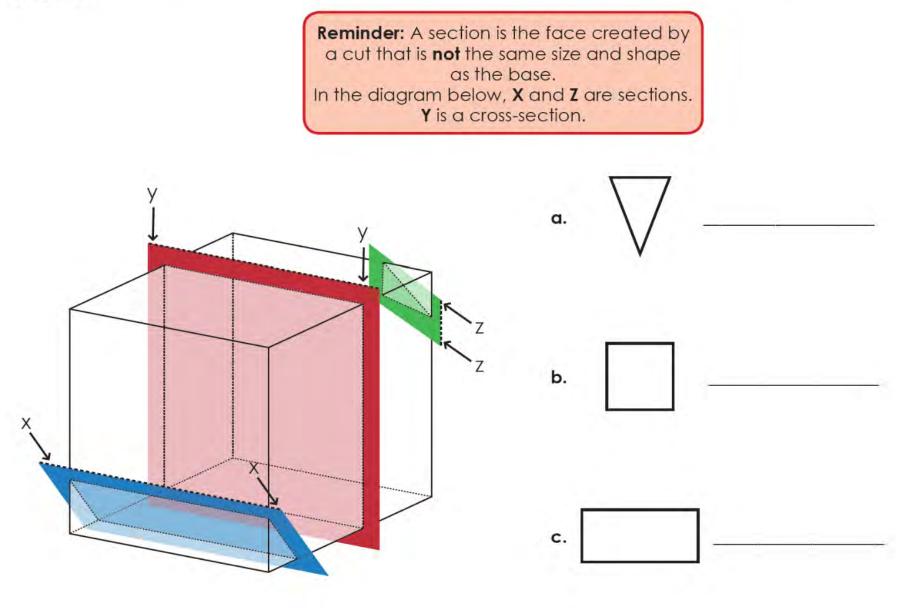


Notice how the face of each slice of cheese is the same shape and size. These are also uniform cross-sections.



The orange cut faces of this square prism are **not the same** size and shape as the base. They are '**sections**'.

3. The diagram of the cube below shows three cuts of a cube. The shapes beside the cube show a crosssection and two sections formed by the cuts. Write the letter of the cut next to the matching cross-section or section.



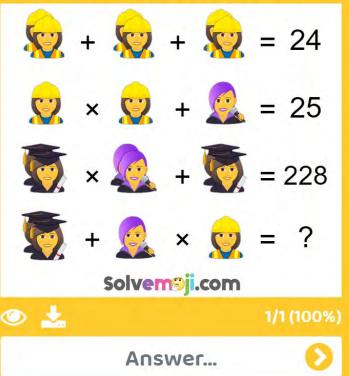


Ignition Activity - choose your level

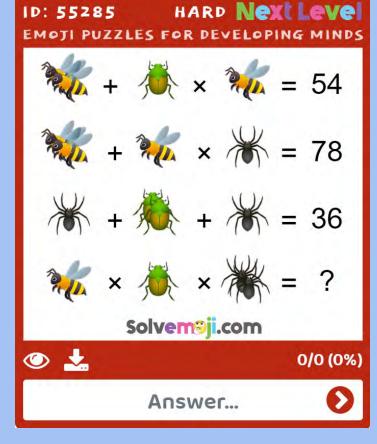
Answers for today will be posted at the end of the week



ID: 55290 MEDIUM Next Level Emoti puzzles for developing minds







Fractions and Decimals Glossary

Glossary

- denominator: the bottom number in a fraction which shows the number of parts a shape, object, or collection has been divided into
- fraction: a part of a whole or group, represented with a numerator (top number) and denominator (bottom number)
- improper fraction: a fraction which is greater than one whole, the numerator is greater than the denominator
- mixed numeral: a number written as a whole number and a fraction
- numerator: the top number in a fraction which shows the number of parts of the whole
- **unit fraction:** a fraction where the numerator is the number 1. This is one part of the whole.

Adding Fractions

Gina and Theresa went to the buffet at Pizza Luna, which charges for pizza by the slice. Gina ate 3–6 of a margarita pizza and 2–6 of a hawaiian pizza.

What mathematical operation does Gina need to use to work out how many slices of pizza she has eaten?

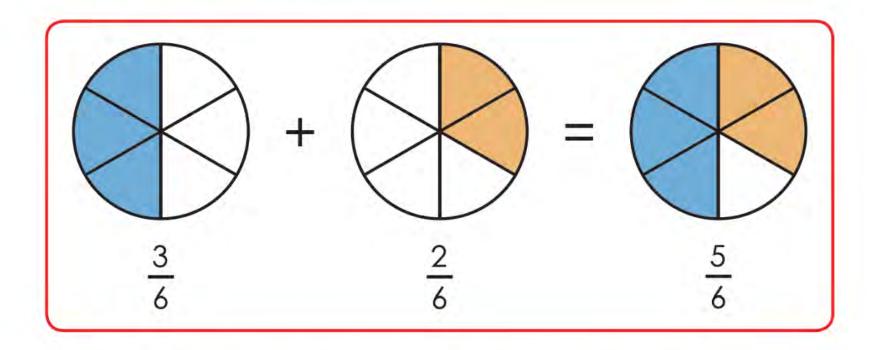
Gina needs to use addition to find the total number of pizza slices that she has eaten. So how do you add fractions together?

The fractions that Gina adds have the same denominator which makes it a simple calculation.

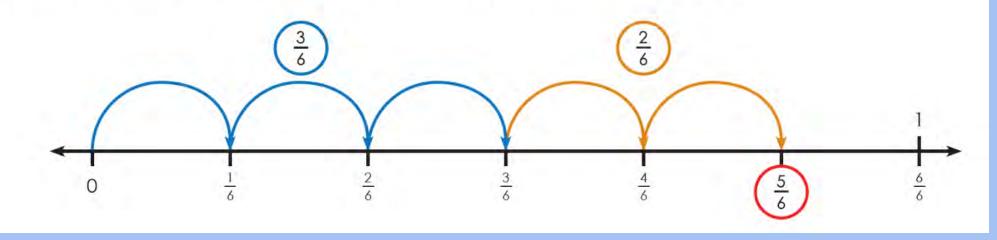
When adding fractions with the same denominator you **only add the numerators together** and **keep the denominators the same**.



Let's look at how to add the fractions of pizza that Gina ate.



The number sentence $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$ can also be shown on a fraction number line.

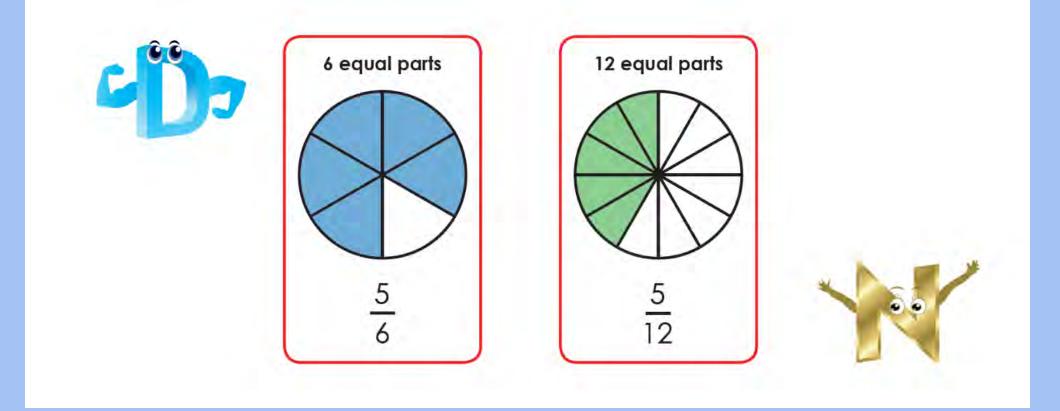


Why don't you add the denominators in a fraction number sentence?

The denominator is the number of parts the whole is divided into, so if they are added together, smaller equal parts are made.

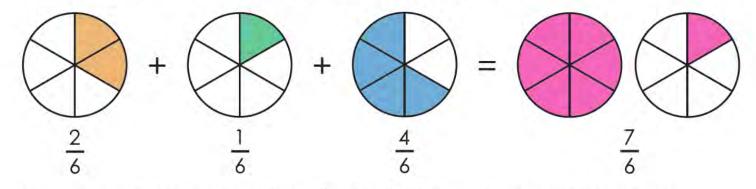
Let's look at this explained for the previous number sentence $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$ in the diagram. The numerators 3 and 2 were added together to make 5 equal parts out of 6.

If the two denominators were added together, there would be 12 equal parts in the circle. The circles below show that 5 equal parts of 12 is not the same amount as 5 equal parts of 6, in fact it's less than what we had when we started!



When you are adding fractions you will often find that the answer is a mixed numeral or improper fraction.

For example, Theresa ate $\frac{2}{6}$ of the meat lovers pizza, $\frac{1}{6}$ of the margarita pizza, and $\frac{4}{6}$ of the pepperoni pizza. How would she add these amounts together? Look at the diagram below.



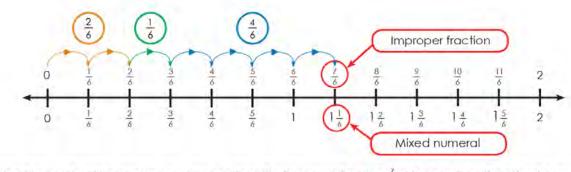
The answer to the fraction number sentence $\frac{2}{6} + \frac{1}{6} + \frac{4}{6}$ is $\frac{7}{6}$. This is called an improper fraction.

The answer to the fraction operation $\frac{2}{6} + \frac{1}{6} + \frac{4}{6}$ can also be written as a mixed numeral.

Mixed Numeral

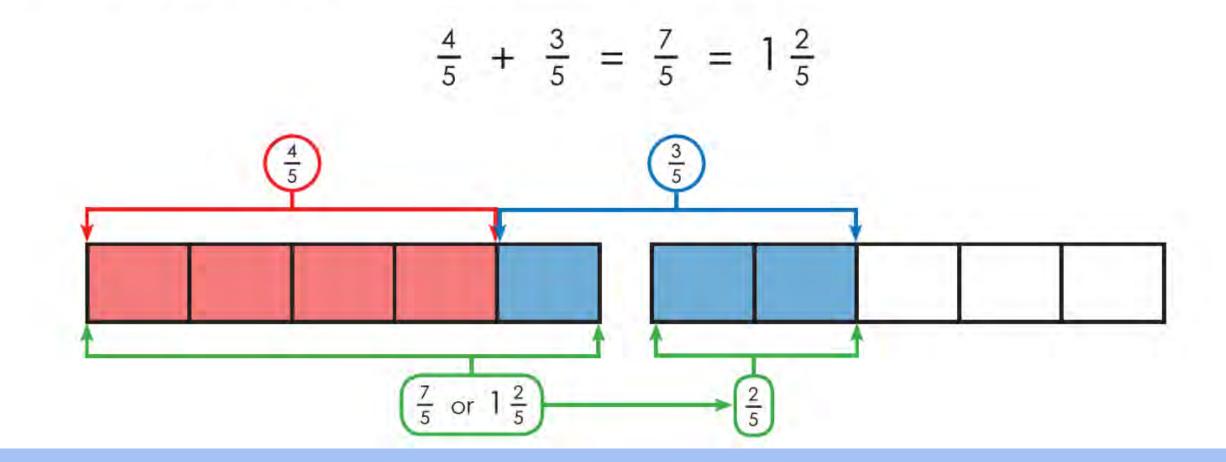
A number written as a whole number and a fraction, for example, $1\frac{1}{4}$

Look at the number sentence $\frac{2}{6} + \frac{1}{6} + \frac{4}{6} = \frac{7}{6}$ on the number line below, which has improper fractions and mixed numerals marked on it.

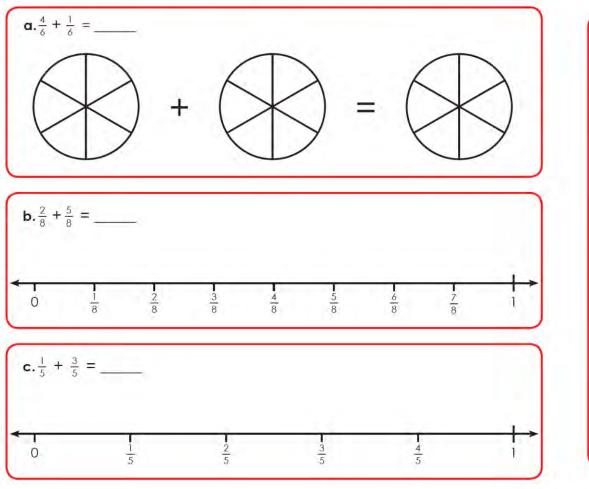


Using the number line above, you can see that the improper fraction $\frac{7}{6}$ is the same as the mixed numeral $1\frac{1}{6}$. When you are adding fractions it can be easier to convert improper fractions to mixed numerals.

Let's look at fractions being added together to make a mixed numeral.



1. Add the fractions below. Remember that the denominator stays the same, just add the numerators. Use the number lines or shapes to help you and don't forget to shade them in where necessary.



d. $\frac{5}{12} + \frac{6}{12} =$

More practice? Try this game.



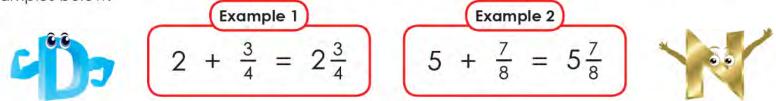
Can you hit the apple in Fraction Fiddle?

 Add the fractions below. If the answer is an improper fraction, convert it to a mixed numeral. Use the space provided to help you find the answers.

a. $\frac{2}{5} + \frac{1}{5} =$	b. $\frac{8}{12}$ + $\frac{10}{12}$ =	c. $\frac{4}{8} + \frac{3}{8} =$
d. $\frac{2}{3} + \frac{2}{3} =$	e. $\frac{4}{6} + \frac{1}{6} =$	f. $\frac{3}{4} + \frac{2}{4} =$

When Gina left Pizza Luna, she took a whole pizza home for her mum. She also took $\frac{2}{6}$ of uneaten pizza from her lunch with Theresa. To work out the total amount of pizza she took home you have to add a whole number and a fraction.

When you add fractions to whole numbers, it is a simple process of combining them. Take a look at the examples below.



Whole numbers do not need denominators. Why?

Fractions are equal parts of a whole. Whole numbers represent all the equal parts, not some of them. For example, $1 = \frac{4}{4}$ or $\frac{10}{10}$ etc. That is why we can add them to fractions as they are.

Solve these number problems.

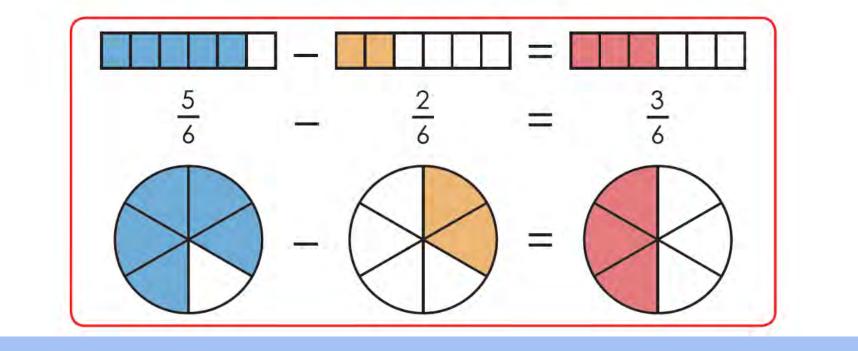
1. 3 + $\frac{5}{6}$ =	2. 9 + $\frac{2}{3}$ =	3. $\frac{1}{2}$ + 2 =
4. $\frac{6}{10}$ + 13 =	5. 4 + $\frac{4}{6}$ =	6. 15 + $\frac{70}{100}$ =
7. $\frac{6}{12}$ + 3 =	8. $\frac{4}{5}$ + 8 =	9. $6 + \frac{4}{10} =$

Subtracting fractions

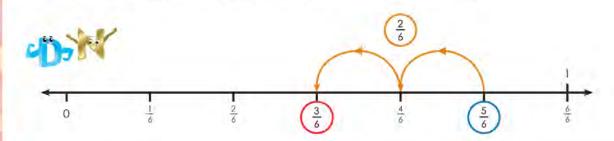
Have A Go!

The staff at Pizza Luna want to see which pizza flavours are the most popular at the lunch buffet. To do this they compare the number of pizzas eaten. Firstly, they look at how many pieces of mushroom pizza were eaten compared to the meat lovers pizza. There is $\frac{5}{6}$ of the mushroom pizza left and $\frac{2}{6}$ of the meat lovers pizza. To work out how many more pieces there are, you would use subtraction.

Subtracting fractions with the same denominator is similar to adding them. You subtract the numerators and the denominators stay the same. Look at the example below.



A number line can also be used to work out how many more pieces were eaten.



Using the shaded shapes and number line you can see that $\frac{3}{\delta}$ more meat lovers pizza was eaten compared to the mushroom pizza.

- 1. Help the staff of Pizza Luna work out the more popular flavours below. Use the space to show your working.
- **a.** Susannah has been asked to look at which vegetarian pizza is the most popular. There is $\frac{4}{\delta}$ left of vegetarian supreme and $\frac{1}{\delta}$ left of italiano. How much more vegetarian supreme is left compared to the italiano?

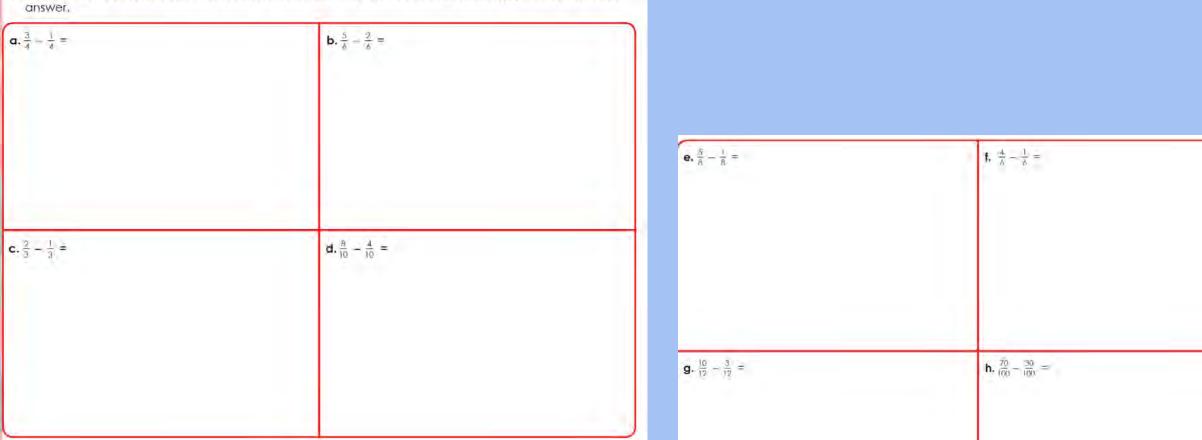
slices left:

b. Susannah counts that there is $\frac{2}{\delta}$ left of the margarita pizza and $\frac{1}{\delta}$ of the four cheese pizza. How much more margarita pizza is left compared to the four cheese pizza?

slices left:

c. Which vegetarian pizza was the most popular, vegetarian supreme, italiano, margarita pizza or four cheese pizza?

most popular pizza:

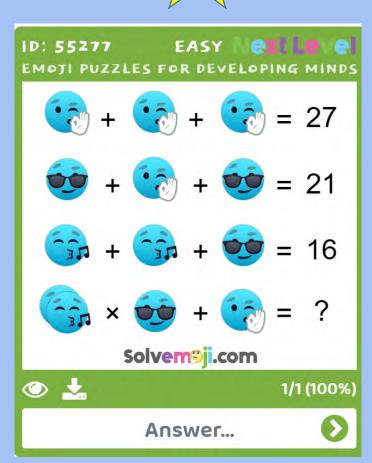


2. Subtract the fractions below. You could use a number line or shaded shapes to help you find the correct answer.



Ignition Activity - choose your level

Answers for today will be posted at the end of the week



MEDIUM NOX LOVA D: 55262 EMOTI PUZZLES FOR DEVELOPING MIND 💈 + 🛷 + 🧏 = 24 🛷 + 🛷 × 🚋 = 240 🤕 × 🤕 + 🥺 = 204 = ? 😻 🗶 🐜 Solvem[®]ji.com 🕑 📩 1/1 (100%) Answer...





Cross-sections of Pyramids

Have A Go!

Pyramids are formed by connecting an apex to each corner of a base. The edges from the apex that connect to the base form the faces of a pyramid, and will always be triangular.

Let's revise the parts of a pyramid.

apex

base

face

1. Label the following diagram by drawing lines from the words to the correct features of the pyramid.

Look at the faces of the pyramid. What do you notice about the shape of each face?

2. Cross-sections of pyramids differ from prisms. Complete the activity below to find out how.



a. Look at the cut labelled X in this rectangular pyramid.

Will the shape of the cross-section be the same shape or a different shape to the base?

Will the cross-section be a larger size or smaller size than the base?





b. Look at the cut labelled Y in the same rectangular pyramid.

Will the shape of the cross-section be the same shape or a different shape to the base?

same different

Will the cross-section be a larger size or smaller size than the crosssection in **2a**?

 ${\bf c}.$ Look at the cut labelled ${\bf Z}$ in the same rectangular pyramid.

Will the shape of the cross-section be the same shape or a different shape to the base?

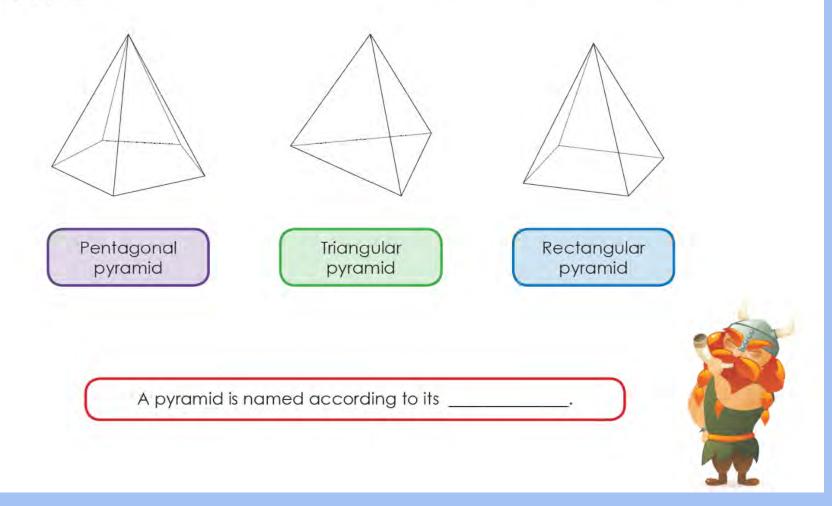


Will the cross-section be a larger size or smaller size than the crosssection in **2b**?



Notice how the shape of each cross-section of the pyramid becomes smaller the closer the cross-section is to the apex.

3. Look at the names of these pyramids and the shape of their bases. What do you notice? Complete the sentence below.



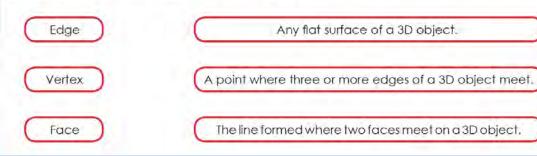
Describing the features of 3D objects

Have A Go!

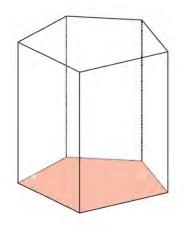
When describing the properties of prisms there are mathematical terms we can use to communicate more effectively.

First, a quick recap of the basic properties.

1. Draw a line to match each feature to its correct definition.



2. Label a vertex, an edge and a face on the prism below.

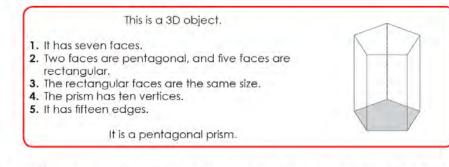


To accurately describe a prism, we need to describe 5 properties.

1.	Number of faces
2.	Shape of faces
3.	Number and type of identical faces
4.	Number of vertices
5.	Number of edges

We name a prism by the shape of the base. For example, the prism on the next page has pentagonal bases, so it is a pentagonal prism.

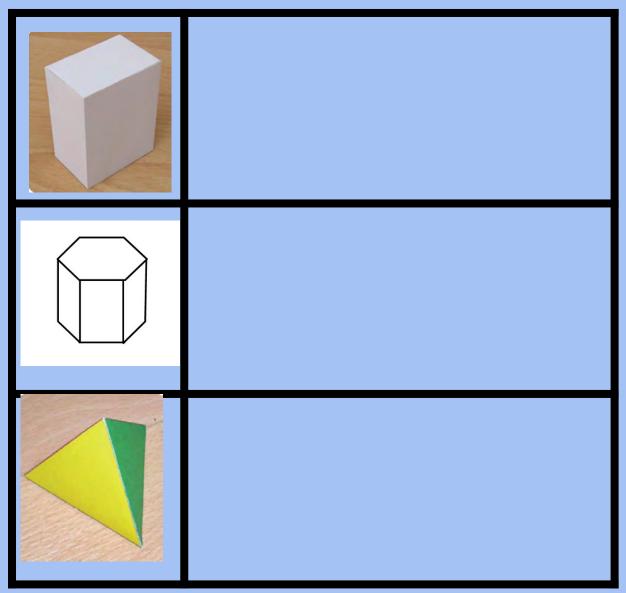
Read the description in the box below. Each number matches one of the five properties in the table on the previous page.



3. Write a description of the objects below for your teacher. Make sure you describe each of the 5 properties. The first one has been done for you.



This object has 6 faces. All the faces are square and all 6 faces are identical. It has 8 vertices and 1.2 edges. It is a cube.



Faces and Bases

Have A Go!

 Looking at the illustrations of prisms throughout this unit you will notice that the faces of the prisms (except cubes) are rectangular. If the faces are rectangular, do the bases have to be rectangular too? Why? Write your answer on the lines below:

When comparing 3D objects, we compare the faces, edges, vertices, apex and bases. For example:

A hexagonal prism has more vertices than a triangular prism.



A cube and square pyramid have the same shape as a base.



A cube and a rectangular prism both have 6 faces and 12 edges.



Let's compare some prisms.

2. Here is a triangular prism and a hexagonal prism:



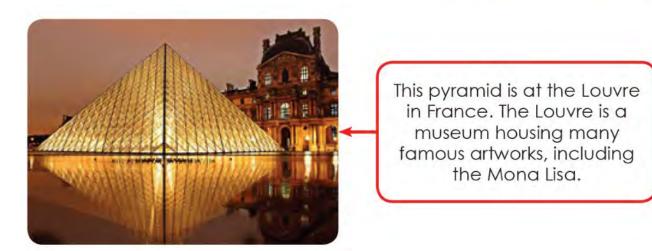
What is similar about their properties? Read each of these statements comparing the two prisms and tick each box if it is a true statement.

Both have two bases that are parallel to each other.	
All faces are rectangular.	
Both have 6 vertices.	
Both have a base.	
The triangular prism has more faces.	

Pyramids have some unique properties and have been used for thousands of years as buildings.

Giza is a city in Egypt. It is famous for its ancient pyramids made out of stone blocks. These are thousands of years old.





In these photos, we cannot see the **base** of the pyramids and some of the faces. We can see the **apex** and two **faces**. Faces of prisms and pyramids have a key difference.



If the edges of the faces of a pyramid are meeting at the apex, what shape are the faces?

1. What is the key difference between the shape of the faces of a pyramid and the shape of the faces of a prism? Write your answer and draw a diagram in the box below.

2. Can the **base** of a pyramid be any shape? Write your answer and draw a diagram in the box below. Note: the base of a pyramid cannot be a circle as a circle does not have straight edges and therefore cannot make a pyramid.



Ignition Activity - Revising 3D Click on the picture to play the game online.



Colour flying objects in 3D in Face Painter Finding Faces 1

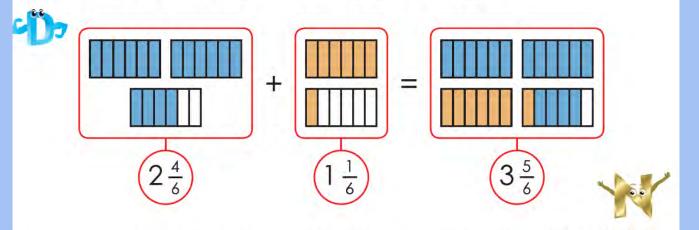
Adding Mixed Numerals

In this lesson you will be adding mixed numerals with the same denominator.

Have A Go!

Phoebe had her birthday party at 'Cookies and Cakes'. The restaurant counts the slices of cake the guests had. They ate $2\frac{4}{6}$ of the cinnamon cake and $1\frac{1}{6}$ of the raspberry cheese cake. How would you work out the total number of slices they had? Look at the diagram below.

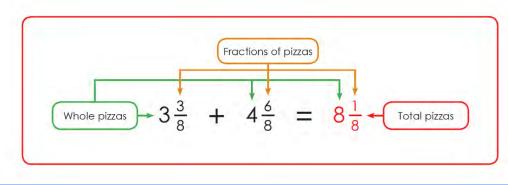
Remember: a mixed numeral is a whole number and a fraction, for example $1\frac{3}{4}$.



To solve number sentences with mixed numerals, first add together the whole numbers. At Phoebe's birthday party, the number of whole cakes is 2 + 1 = 3. Finally, add the fractions. At the birthday party the fractions are $\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$. You now combine the fraction and whole number to make the final answer $3\frac{5}{6}$.

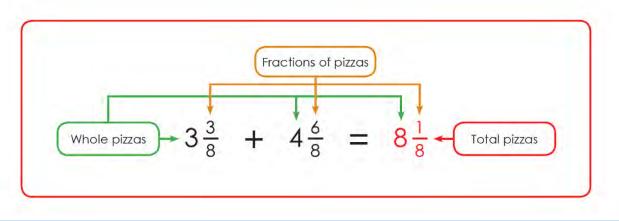
Let's look at another example.

Henry and Kris went to Pizza Luna to try their new style of pizza called micro pizzas, and they both ordered different flavours. Pizza Luna charges for pizza by the slice and they were charged for 9 micro pizzas. This didn't seem right as they thought they had eaten less. Each micro pizza is divided into 8 slices. Henry ate 3 whole micro pizzas and 3 slices of another. Kris ate 4 whole micro pizzas and 6 slices of another. Did the restaurant make a mistake?

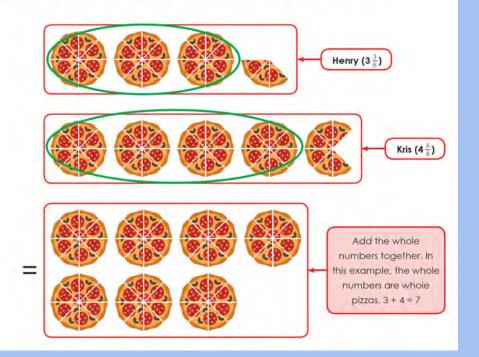


Let's look at another example.

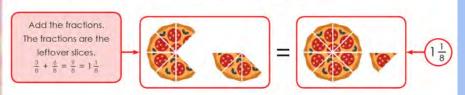
Henry and Kris went to Pizza Luna to try their new style of pizza called micro pizzas, and they both ordered different flavours. Pizza Luna charges for pizza by the slice and they were charged for 9 micro pizzas. This didn't seem right as they thought they had eaten less. Each micro pizza is divided into 8 slices. Henry ate 3 whole micro pizzas and 3 slices of another. Kris ate 4 whole micro pizzas and 6 slices of another. Did the restaurant make a mistake?



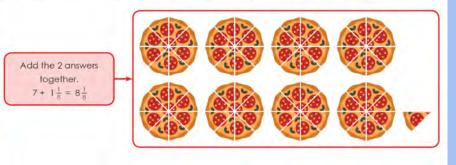
Let's look at this shown in a diagram. First you need to add the whole numbers together.



Next, add the tractions and turn the improper fraction into a mixed numeral.



Finally, add the whole numbers and mixed numeral together. You now have the final answer!



1. Add the mixed numerals below. You could use a number line or shaded shapes to help you find the correct answer.

a. $4\frac{1}{8} + 2\frac{3}{8} =$	b. $6\frac{3}{6} + 2\frac{2}{6} =$	c. $4\frac{2}{3} + 5\frac{2}{3} =$	
d. $8\frac{3}{12} + 1\frac{5}{12} =$	e. $3\frac{2}{4} + 2\frac{1}{4} =$	f. $7\frac{8}{10} + 1\frac{1}{10} =$	

2. Solve the following word problems. Use the space to show your working.

- **a.** At a swimming carnival, the four members of the 50 m freestyle relay team from Northlakes Primary School came in first place. Nathan swam his leg of the race in $35\frac{2}{10}$ seconds. Shannon swam her leg in $34\frac{6}{10}$ seconds. What is the time of these two freestyle legs combined?
- Tip: $\frac{2}{10}$ of a second would be equal to 20 milliseconds and would be displayed as a time like this, 35.20.

	time:
b. Hannah swam her leg of the 50 m freestyle relay in 35 $\frac{8}{10}$ seconds. What is the time of the these two freestyle legs c	econds and Sonny swam his leg in 36 $\frac{1}{10}$ combined?
	time:
. Add the times of each member of the 50 m freestyle relay	y team. How long did the whole team take?
	time:

Subtracting Unit Fractions

In this lesson you will be learning how to subtract a unit fraction from a whole number.

Have A Go!

Aaron is at a chocolate-making course with his friend Will. The first chocolate bar that he makes is milk chocolate with honeycomb and popping candy. The chocolate bar is divided into three pieces and he offers one piece for Will to try.

Look at the number sentence below, which shows a whole number minus a fraction.

$$1 - \frac{1}{3} = \frac{2}{3}$$



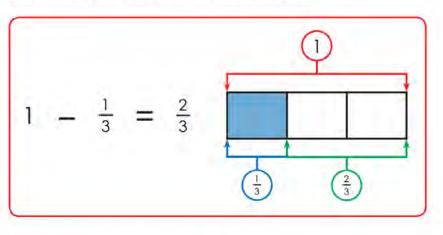
The fraction $\frac{1}{3}$ has a special name. It is called a **unit fraction**. Look at the definition below.

Unit Fraction

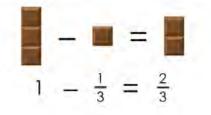
One equal part of the whole; a fraction with a numerator of 1.

 $\frac{1}{3}$ is a unit fraction because it is one part of a whole and has the numerator 1.

When subtracting fractions from whole numbers, the answer will always be a fraction. Look at the example below to see how a unit fraction is subtracted from a whole number.

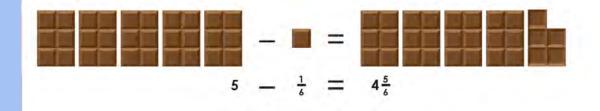


When you are taking a fraction away from a whole, the answer will be a fraction as it is less than a whole. Let's look at this another way using a diagram.



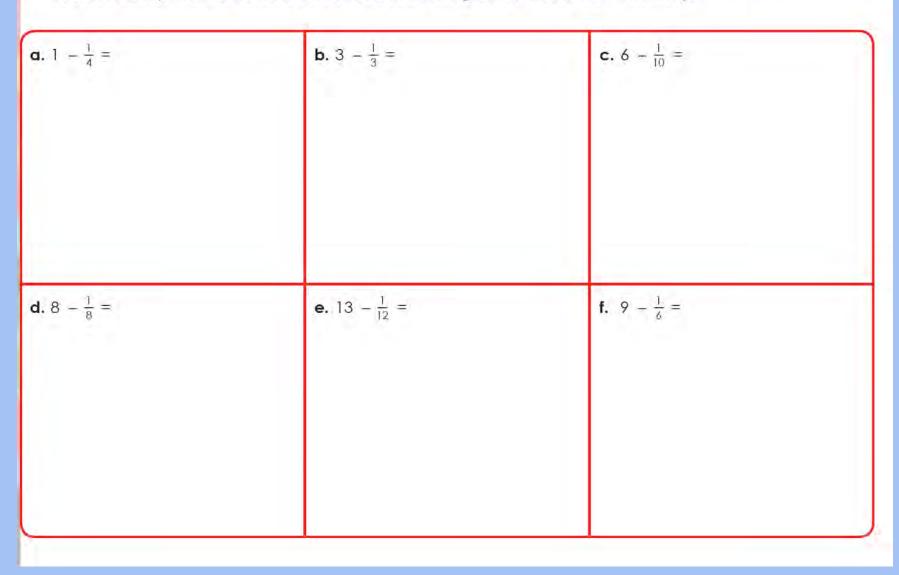
1. This tells you that the whole is going to be divided into 3 parts. 1 - $\frac{1}{3} = \frac{2}{3}$ 2. The whole can be written as $\frac{3}{3}$.

If the whole number is larger than 1, subtract the fraction in the same way. Look at the example below.



You can also solve this problem mentally. Look at the numbered steps below.

1. Subtract the unit fractions from the whole numbers. Use the space to show how you found your answers. You can complete the number sentences, draw diagrams or solve them mentally.



2. Solve the following word problems. Use the space to show your working.

a. Aaron and Will went to a chocolate-making class. Will makes dark chocolate bars with orange and jelly beans. He makes 3 bars and gives Aaron $\frac{1}{5}$ of a bar to try. How much is left?

amount of chocolate left:

b. At the end of the class Aaron makes a giant chocolate bar with all the left-over chocolate. Aaron tries $\frac{1}{100}$ of it. How much is left after Aaron tries the chocolate?

amount of chocolate left: ___



Ignition Activity - choose your level Answers for today will be posted at the end of the week



Ordering Fractions



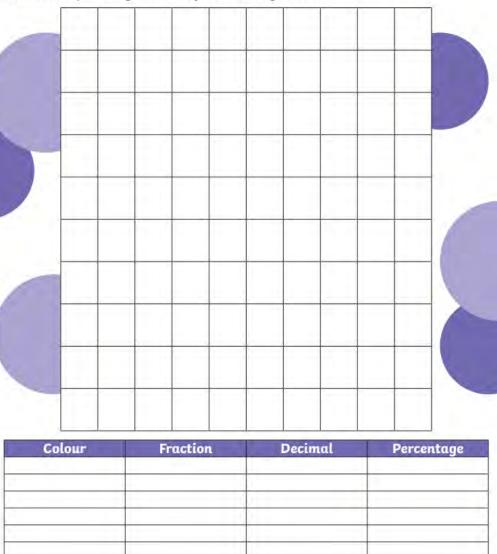
Add Fractions



Multiply Fractions

Fraction Art

Colour in the squares in the 100 chart to create a piece of art. Record the fraction, decimal and percentage amount of the colours you used.





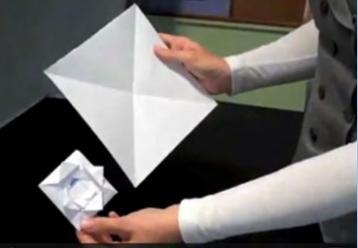


Challenge-Bryony's Triangle

- Watch the video <u>BryonyTriangle.mp4</u> in which Bryony demonstrates how to make a flower from a square of paper.
- She then sets you a challenge: what fraction of the original square of paper is the shaded triangle?

Hints;

- How might you use the folds of your flower to help?
- What fractions of the piece of paper can you see using the folds?
- How could you split the paper in half using the fold lines? A quarter ...?



Optional Weekly Challenge

SHIFTING shapes

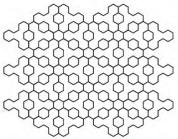
You will need:

Pencil and paper

- 1. Locate two areas in your home that present with tessellating 2D shapes.
- 2. Fill an A4 piece of paper with a drawing of the tessellating shapes.
- 3. Research M. C. Escher.
- 4. Study Escher's work on birds, butterflies and lizards
- 5. Choose an irregular 2D shape and show how it can be tessellated.
- 6. Present your irregular 2D shape tessellation as an artwork. Are there any lines of symmetry?

Extension:

Create and build one of Escher's optical illusions as a 3D model.



Want more Maths?

You can also go onto Mangahigh or Studyladder

Ask your teacher if you need your login details.

-dimensional space, three-dimensional space

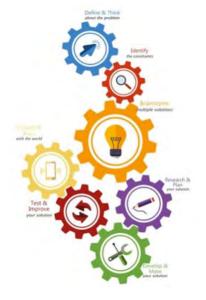


A Week of STEM

- Each day you will be asked to complete a new STEM challenge.
- Please complete the questions and share a picture of your project each day in the space provided.
- If you do not like the daily challenge, or do not have the required materials, you can choose one from another day, or from the grid on the final slide.

HAVE FUN!

STEM CHALLENGE 1: Create an apple boat



What is a boat? Write a definition.



Take an apple and a bowl of water. Do you think the apple will float or sink? Why or Why Not?

Does an apple float?

Can you build a boat made out of one apple?

What problems might you have in completing this challenge? Eg: do you have all the equipment? What could you use instead?

Brainstorm 3 ways you could complete this challenge:

What You Need:

- An apple
- Bowl of water
- Toothpicks
- Plastic knife
- A lego man or small figurine

Research and Plan here: What do you need to know about boats and what do you need to think about before starting?

My STEM Process:

Develop and Make: come up with a apple structure that will not only float in the water, but one that you can place a lego person on top of and it will not fall off. The structure has to be stable.

Was your project successful? Why? Why Not?

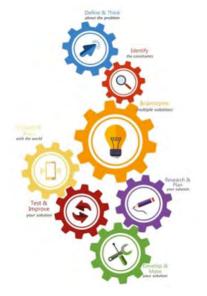
What would you do differently next time?

What did you learn before, during and after this challenge?

What skills do you have that you used in this challenge?

Photo of my Project

STEM CHALLENGE 2: Spaghetti Tower



What is a tower? Write a definition.

What features do all tall towers have in common?

Can you build a tall tower made out of spaghetti?

What problems might you have in completing this challenge? Eg: the spaghetti might break easily? How could you overcome this?

Brainstorm 3 ways you could complete this challenge:

What You Need:

- Spaghetti
- A long piece of thread or thin string
- tape
- A lego man or small figurine

Research and Plan here: What do you need to know about towers and what do you need to think about before starting?

My STEM Process:

Develop and Make: The goal is to see how tall you can build a Spaghetti tower using only spaghetti, tape, and thread. But, there is a twist. This tower also has to support the weight of a LEGO minifigure!

Was your project successful? Why? Why Not?

What would you do differently next time?

What did you learn before, during and after this challenge?

What skills do you have that you used in this challenge?

Photo of my Project

STEM CHALLENGE 3: Build a Bridge

What is a bridge? Write a definition.

What features do bridges need in order to support weight?

Can you build a bridge that will support a single can of food?

What problems might you have in completing this challenge? Eg: different materials around the house might work better than others.

Brainstorm 3 ways you could complete this challenge:

What You Need:

- A can of food
- Any materials you like: lego blocks, cardboard, duplo, wooden blocks etc.

Research and Plan here: What do you need to know about bridges and what do you need to think about before starting?





My STEM Process:

Develop and Make: Can you create a stable bridge that includes an innovative design? This tower also has to support the weight of a can of food.

Was your project successful? Why? Why Not?

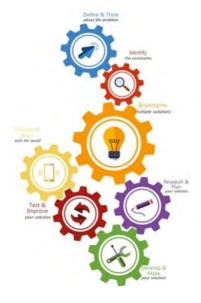
What would you do differently next time?

What did you learn before, during and after this challenge?

What skills do you have that you used in this challenge?

Photo of my Project

STEM CHALLENGE 4: Egg Drop Challenge



What is an egg? Write a definition.

What about an egg makes it so fragile?



Brainstorm 3 ways you could complete this challenge:

What You Need:

- eggs
- various containers and padding: You can use bubble wrap, cotton balls,tissues, plastic food containers, string, tape, plastic bags, cardboard, straws, tape

Research and Plan here: What do you need to know about eggs and what do you need to think about before starting?

My STEM Process:

Develop and Make: Can you create a container that will support an egg when dropped from a height of at least 2 metres high? Your container cannot be wider or higher than 10cm.

Was your project successful? (did the egg break?) Why? Why Not?

What would you do differently next time?

What did you learn before, during and after this challenge?

What skills do you have that you used in this challenge?

Share a Photo or Video of my Project

STEM CHALLENGE 5: Free Choice!

Choose the task that interests you most and share your results on the next slide.

Stage 2

Create Monday	Science Tuesday	Active Wednesday	Engineering. Thursday	Fun Friday
Create your personal mission patchi In a large circle, draw (or use clippings) to represent things you are passionate about.	Scientist want to understand the world around us. Write 5 WHY or WHAT questions to learn more about something in nature.	Create an obstacle course.Get a family member to tryl What is the shortest amount of time it takes to get through the course?	Engineers solve problems to improve our lives. Brainstorm an invention that can improve your life. Draw how it will work.	Make leaf artl Place a leaf under a sheet of paper and rub a crayon over the leaf to reveal its print.
Create a skit or poster on the importance of hand washing and how to do it properly.	Which is the best invisible ink? Write 3 messages using milk, lemon juice, and vinegar. Allow to dry. Heat up the paper with a blow dryer to see message appear.	Play some basketball (or trash can ball)! Measure how many baskets you make out of 10.	Design and build a table using only newspaper or paper and tape. How much weight can it hold? How can you make it stronger?	Host a paper airplane contest.
With the help of an adult, cook lunch or dinner. Measure out the ingredients. How would you double or halve the recipe?	Place a small ball on top of a large ball and drop them together. Watch how energy is transferred!	Find a quiet place in nature. Bring a journal and record everything you see.	Design and build a catapult with household item to knock over a tower of cups.	Use a small bag of candies like M&Ms, find the ratio of each colour to the total candies in the bag.
Make a greeting card using 3D pop up art.	Find a leaf on a plant, wrap it in a plastic bag and secure it with a nubber band. After a few hours water will appear! This is the plants version of sweating.	Go outside and record as many different insects and mammals as possible.	Design and build a roller coaster from paper, paper plates, and tape. How long can you keep a ping pong ball moving?	Draw or write a story about your ideal vacation.
Create a hoop glider using a straw and paper. How far can you make it go?	Take a pencil and scribble in a square to create a graphite "ink pad". Press your finger in the graphite and then on a sheet of paper to look at your fingerprint!	Measure your heart beat for 10 seconds. Do jumping jacks and then measure again. What is the difference?	Create a zip line for a small action figure to travel down from at least your shoulder height.	Survey your family for these genetic traits: dimples, attached earlobes, ability to roll tongue, and right thumb goes on top when clasping hands.
Draw a robot invention. What would it do?	Go outside and write down your weather observations. What do the clouds look tike? Can you tell what direction they are moving?	Create your own dance workout routine. Teach to a family member.	Imagine you only have one leg. Design a prosthetic leg using household items. Test it out! How do you make it comfortable? How would it attach to your body?	With a family member, discuss a significant historical event that happened to them. How did this event impact their life? What did they learn?

Stage 3

Create Monday	Science Tuesday	Active Wednesday	Engineering Thursday	Fun Friday
Create your personal mission patch! In a large circle, draw (or use clippings) to represent things you are passionate about.	Scientist want to understand the world around us. Write 5 WHY or WHAT questions to learn more about something in nature.	Create an obstacle course. Calculate your average time to complete the course over a series of 5 attempts. Get a family member to try!	Engineers solve problems to improve our lives. Brainstorm an invention that can improve your life. Draw how it will work.	Draw your ideal future city. What areas will keep citizens healthy and happy? What laws will you have?
Create a skit or poster on the importance of hand washing and how to do it property.	Which is the best invisible ink? Write 3 messages using milk, lemon juice, and vinegar. Allow to dry. Heat up the paper with a blow dryer to see message appear.	Play some basketball (or trash can ball) Measure how many baskets you make out of 10. Calculate your percentage accuracy.	Design and build a table using only newspaper or paper and tape. How much weight can it hold? How can you make it stronger?	Host a paper airplane contest.
With the help of an adult, cook lunch or dinner. Measure out the ingredients. How would you double or halve the recipe?	Place a small ball on top of a large ball and drop them together. Watch how energy is transferred!	Players must keep two balloons up in the air with just one hand and the other hand is kept behind their backs. The last player with two balloons still going wins.	Design and build a catapult with household item to knock over a tower of cups. Calculate percentage accuracy.	Use a small bag of candies like M&Ms, find the ratio of each colour to the total candles in the bag.
Make a greeting card using 3D pop up art.	List 5 non-reusable items in your house. How can you make at least one of them reusable?	Go outside and record as many 10 different insects and mammals.	Design and build a roller coaster from paper, paper plates, and tape. How long can you keep a ping pong ball moving?	Draw or write a story about your ideal vacation.
Create a hoop glider using a straw and paper. How far can you make it go?	Find a quiet place in nature. Bring a journal and record everything you see.	Measure your heart beat for 10 seconds. Convert to beats per minute. Run around and then measure again. What is the percentage increase?	Create a zip line for a small action figure to travel down from at least your shoulder height. Calculate the speed (distance divided by time) of the zip time.	Survey your family for these genetic traits: dimples, attached earlobes, ability to roll tongue, and right thumb goes on top when clasping hands.
Peter Piper picked a peck of pickled peppers. Write 2 of your own tongue twisters.	The tongue map theory states that different areas of your tongue sense different tastes. Look-up this theory. Create an experiment to prove or disprove it.	Create your own dance workout routine. Teach to a family member.	Imagine you only have one leg. Design a prosthetic leg using household items. Test it out! How do you make it comfortable? How would it attach to your body?	Design a device to keep a water balloon or egg from breaking when thrown against a wall or dropped from a second story.

What Do You Need? Make a list here:

Show a picture or video of your challenge and explain the process of completing it:

What did you learnt from completing this challenge?

What would you do differently next time and why?

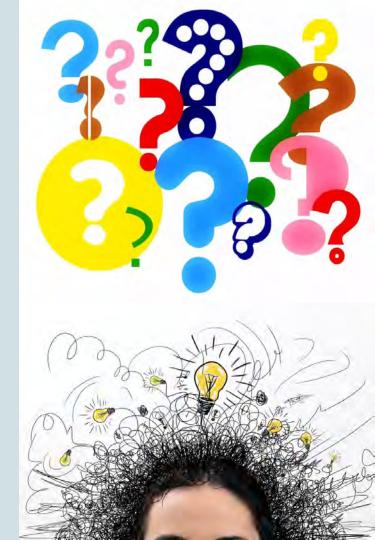
STEM Reflections

What was your favourite STEM challenge? Why?

What challenge were you most successful at? Why do you think this?

Which task did you find the most challenging? Why?

Write about ONE thing that you have learnt this week. It may be something you found out in research or something you learnt about yourself while completing these challenges.



Monday's Ignition Activity

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18	+	12	×	18	= 234
18	+	18	+	10	= 46
10	×	6	×	9	= 540
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SOLL	JTION	D: 55	255
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ID: 55255 MEDIUM Next Level

16	+	16	+	16	= 48
6	×	8	+	8	= 56
10	+	10	×	12	= 130
8	+	12	×	5	= 68

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11	+	4	+	4	=	19
11	+	11	+	8	=	30
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SOLUTION ID: 55246

EASY

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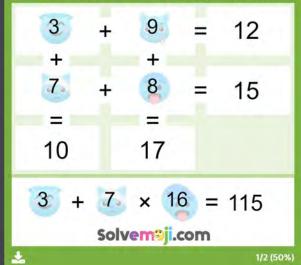
2

D: 55246

Tuesday's Ignition Activity

SOLUTION ID: 55254

ID: 55254 EASY



	55247

ID: 55247 MEDIUM Next Level EMOTI PUZZLES FOR DEVELOPING MINDS

$$16 + 18 + 11 = 45$$

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ID: 5521						
		8				
20	+	8	×	4	=	52
10	+	20	+	16	=	46
20	×	16	×	4	=	1280
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0/0 (0%)

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Wednesday's Ignition Activity

SOLUTION ID: 55242

ID: 55242 EASY CX C C

$$11 + 11 + 11 = 33$$

$$3 + 11 + 11 = 25$$

$$2 + 2 + 3 = 7$$

$$4 \times 11 + 6 = 50$$
Solven: j.com

SOLUTION ID: 55243

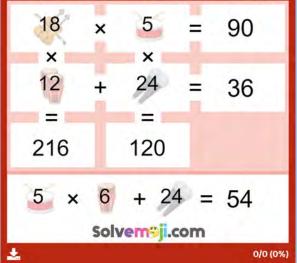
ID: 55243 MEDIUM Next Level EMOTI PUZZLES FOR DEVELOPING MINDS

20	+	20	+	20	=	60
6	+	6	×	10	=	66
4.	+	6. #"6@\$1	×	4.	=	28
10	+	8.	×	6	=	58

Solvem©ji.com

SOLUTION ID: 55234

ID: 55234 HARD Next Level



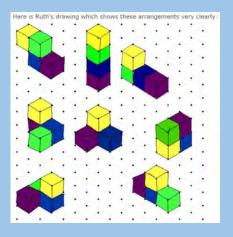
Ignition Activity - Make 100

Click on the picture to play the game online. Snip your results and paste it on this slide.

Roll the dice	-		
	R	OLL	
Make a calculation		_	
select ~ sele	ect ~	Go	
Results			
Dice throw Calculation Value	e Running total		

Friday's Ignition Activity- Third Dimension

There are at least eight arrangements, including the one which we drew in the question.

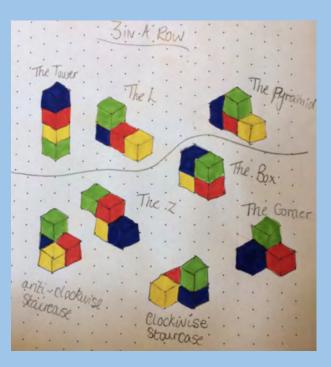


Ciara (from Bristol) explained her strategy:

First I built a tower with multilink where all four blocks were in a row. I called this 'The Tower'. Then I kept three in a row and moved one block into other possible positions. I gave them both names and this helped me with spotting if I'd done any repeats.

When I'd found all of these, I tried versions where there were no more than two blocks in a row. The names were really useful especially with the 'Staircases' as I realised there were two different ways of building the staircase.

In total I found 8 different possibilities for arranging four cubes.



ructions: structional videos be d to watch these more

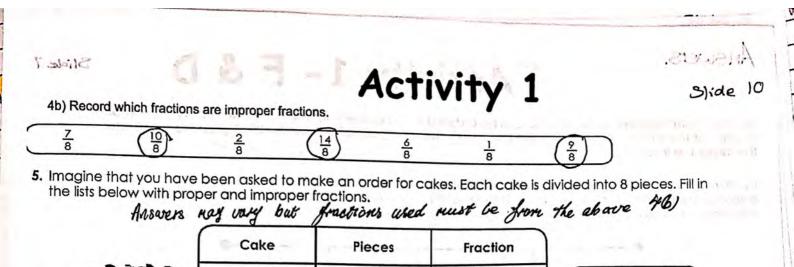
Week

n your slides or on paper or in colles or diagrams that you need

erm

ties.

Answers. Activity 1- F & D Slide 7 95:18. Fractions with the same denominator can be ordered on a number line. The numerator shows the number of parts of the whole. For example, the fraction $\frac{3}{8}$ means 3 parts of the whole. The higher the numerator, the larger the fraction. The number line below shows fractions in order between 0 and 1. The digit 1 represents a whole number and it also represents the fraction $\frac{1}{4}$ on the number line. When the numerator and denominator of a fraction are the same it means that the fraction can also be represented as a whole number $\frac{1}{4}$ or $\frac{1}{$ 3 (9) 10 1. Put the fractions from the box onto the number line between 0 and 1. 14. 2% 376 11/10 Watch of the fractions from the rable apply on property fractions or d when uses maniput fraction in Here do , bu where which has a thorn here were Then the decorrection propar fractions have a numerator quater Slide 9 Activity 1 Slide 11 Complete the questions below, using the fraction wall to help you. Explain how you found each answer. 1. $\frac{1}{5}$ and $\frac{1}{3}$ are 1 part of a whole. Which fraction is a larger part of a whole? leasons may ffor Reasons nou 2. $\frac{1}{8}$ and $\frac{1}{12}$ are 1 part of a whole. Which fraction is a larger part of a whole? differ. Keason's May 3. $\frac{2}{8}$ and $\frac{2}{6}$ are parts of a whole. Which fraction is a larger part of a whole? differ. 4. $\frac{6}{10}$ and $\frac{4}{5}$ are parts of a whole. Which fraction is a larger part of a whole? Keasons



10

等

9

7

14

Think about the following questions.

• Which of the fractions from the table above are proper fractions and which are improper fractions?

C,

How do you know which type of fraction they are?

coconut cakes

caramel cakes

cheesecakes

black forest

cakes

Improper fractions have a numerator greater than the denominator

S1: de 9



2.

10

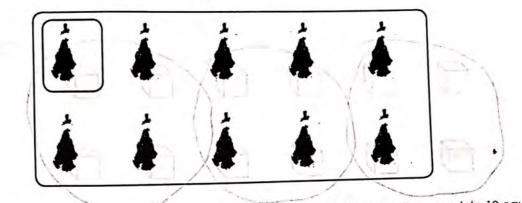
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Slide 11

 -4^{1} -36.1 **1**. Look at the collection of pears below.

- a. How many pears in the collection? 10
- b. How many pears are circled?
- c. What fraction of the collection is this?



 $\frac{1}{10}$ is a unit fraction. If we want to find $\frac{1}{10}$ of the collection then we need to divide the pears into 10 equal groups.

Activity 2

How many are in each group? I pear and the second

 $\frac{1}{10}$ of 10 is therefore 1.

If the denominator and the number of objects in the collection are the same number then it is easy to work out the unit fraction of a collection.

Shole 15

001

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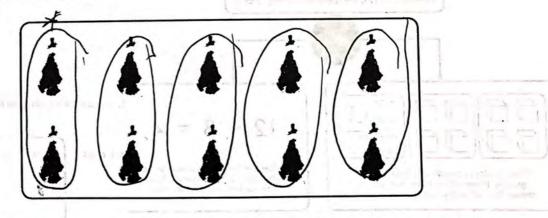
Activity 2

Slide 13

What if the denominator is different to the number in the collection?

How would we find $\frac{1}{5}$ of 10 pears?

2. Look at the collection below.



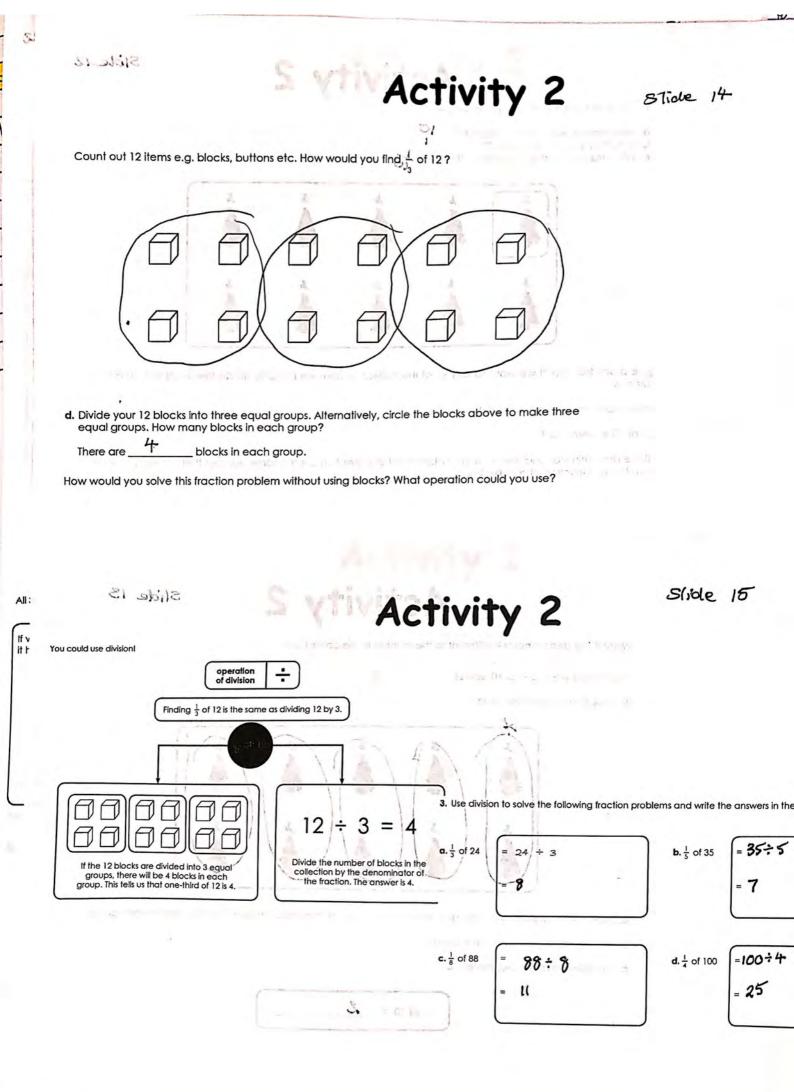
a. To find $\frac{1}{5}$ of 10 divide the collection into five equal groups then count how many pears are in each group.

-b. How many pears are in each group?

11

c. Complete this number sentence.

 $\frac{1}{5}$ of 10 = _____



Slide 20

Activity 2 4. Read the story below then solve the word problems by calculating the unit fraction of the collection. The students of Harbourside Primary School are celebrating Harmony Day. Year 6 Blue, which has 24 students, is taking part in some craft activities. Peter and Anh have been asked by their teacher to get the equipment ready. To do this they need to know how many students are taking part in each activity. Can you help them solve these problems? The first one has been done for you. b. ¹/₈ of the 24 students are doing origami. They will need one piece of paper each. a. $\frac{1}{2}$ of the 24 students are painting flags. They will need one paint brush each. How many pleces of paper are needed 1 How many paint brushes are needed altogether? altogether? 1 of 24 3 $\frac{1}{2}$ of 24 24:8 - 3 pieces of papes = 12 paint brushes 1 2 d. The rest of the students are making paper c. $\frac{1}{6}$ of the 24 students are each tie-dying one lanterns. They each need a pair of scissors. How many pairs of scissors will they need? -bandana. How many bandanas are needed altogether? 24- (12+3+4+) = 5 pairs of scissors 1 of 24 24:6 = 4 bandanas Social date the tight Part of paralel la 6

Stille 21.

Activity 1

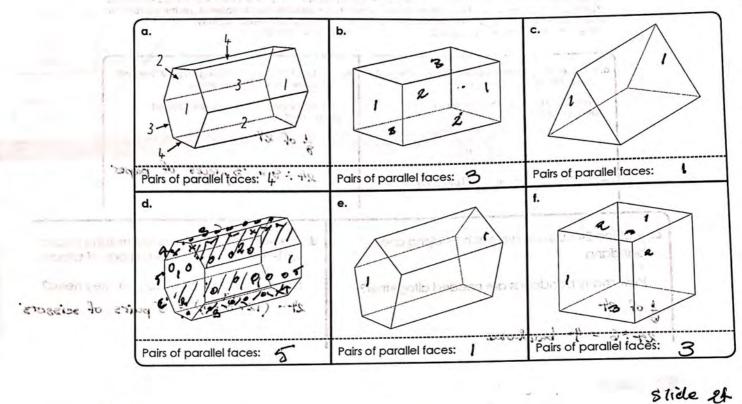
All 3D objects have two or more faces. Faces are the flat surfaces on 3D objects.

If we count the faces on this cube, we will find that it has 6 faces.	If we count the faces on this square pyramid, we find it has 5 faces.	will	
		1. Count the faces on these objects, then write the r	number of faces in the bo
0	3-12	a. triangular pyramid	
converse to an by 2 danc log https:// in-	- 010 M - 100 M		6 🗠
		Number of faces = 7	Number of faces =
t danadiy	74	-Vinc	W d. och
			10
		Number of faces = 7	Number of faces =

130121

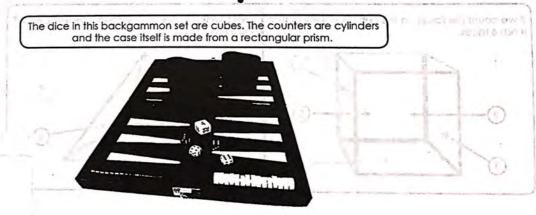
3. Number the parallel faces on the prisms below. In the box below each prism, write the number of pairs of parallel faces. The first one has been done for you.

Activity 1



Slide 20

Activity 2



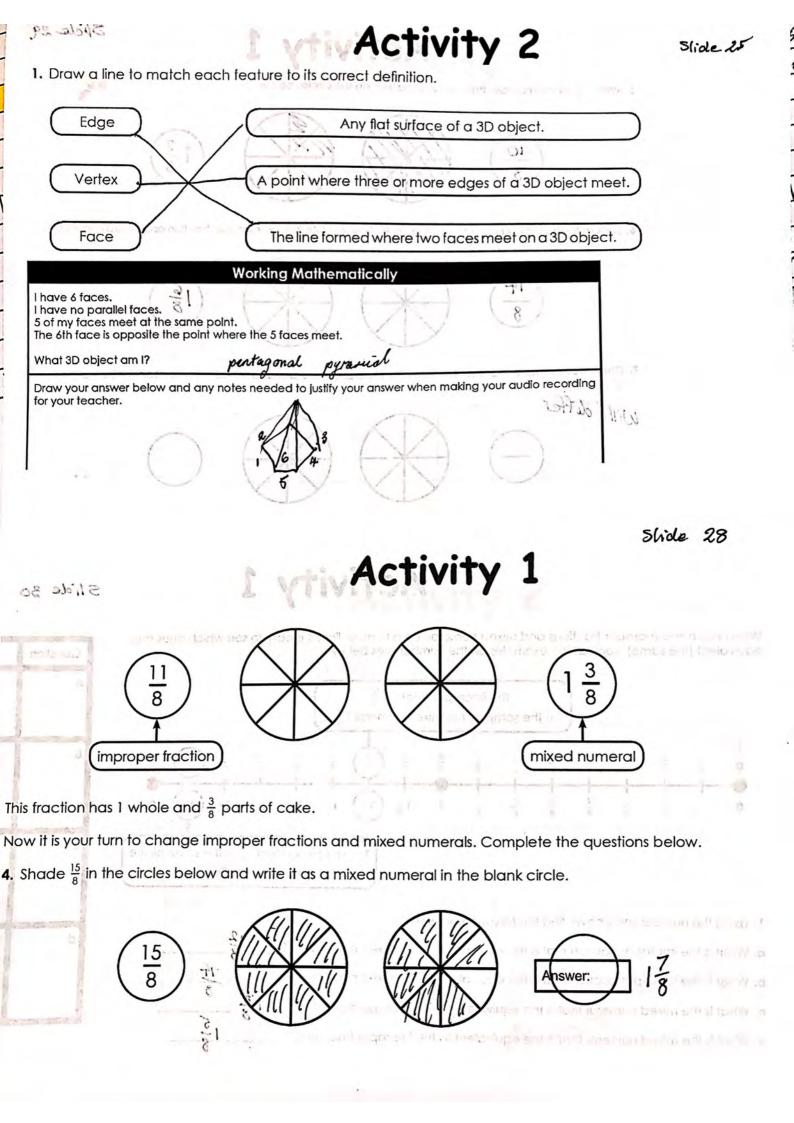
Look around you and try to identify the basic 3D objects in structures you can see. List the structures and the 3D objects that they are constructed from in the table below. To get you started, what is the basic object of the desk or table you are sitting at?

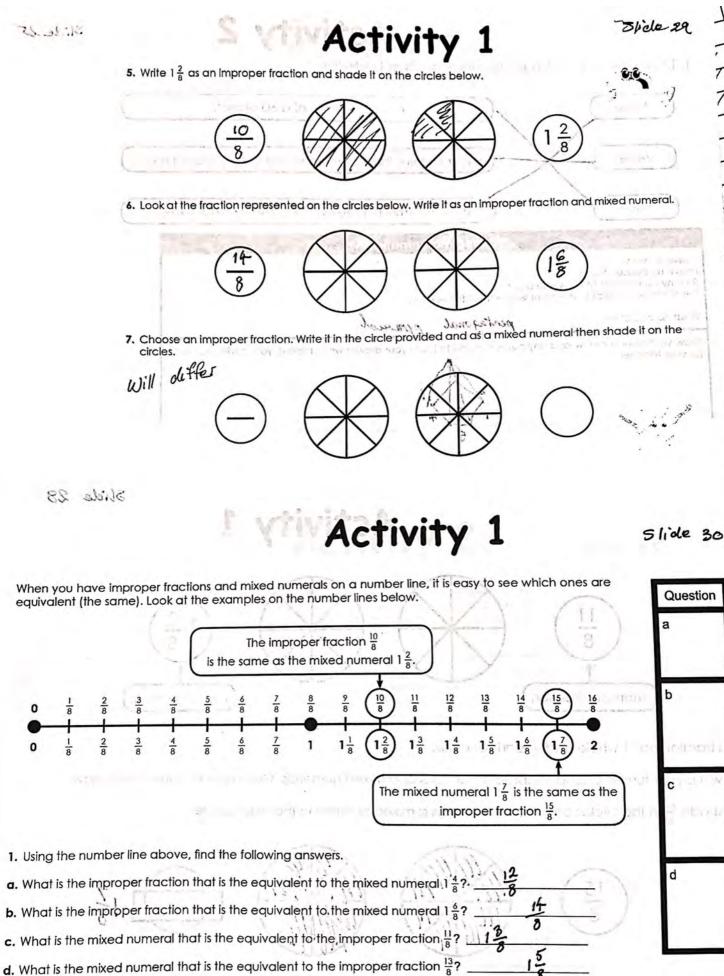
Structure	3D objects

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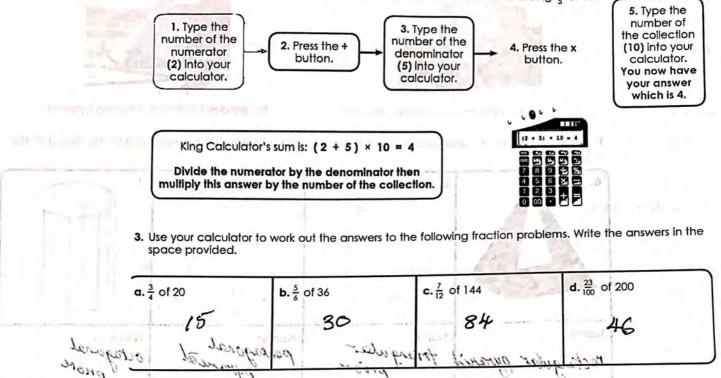
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Activity 2

A calculator can be used to help you find a fraction of a collection. When we use a calculator to find a fraction, the order that we key in the operations is a little bit different to how you would do it in your head. If you are using a calculator, you would follow the instructions below for finding $\frac{2}{5}$ of 10.

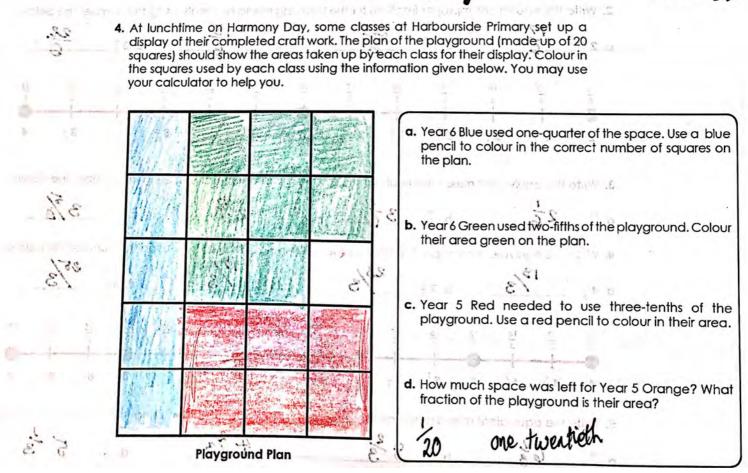


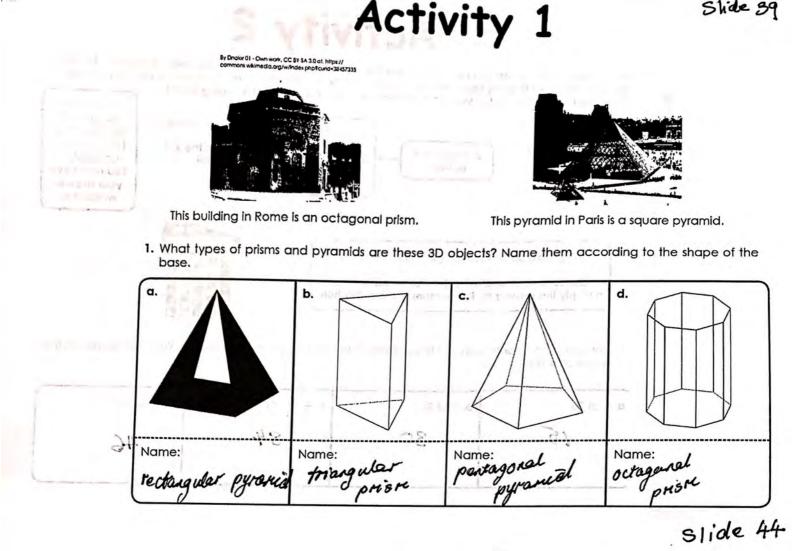
slide 4

Activity 2

slide 35

SWde 34





Activity 1

slide 35

2. Write the equivalent improper fractions for the following mixed numerals, using the number line below. a. $2\frac{5}{6}$ <u>b. $3\frac{2}{6}$ <u>c. $2\frac{3}{6}$ <u>d. $3\frac{4}{6}$ <u>28</u> <u>c. $2\frac{3}{6}$ </u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ </u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ </u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ </u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ </u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ </u>c. $2\frac{3}{6}$ <u>c. $2\frac{3}{6}$ <u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u> 3. Write the equivalent mixed numerals for the following improper fractions, using the number line above. ____ b. 19 ____ 36 c. 16 276 a. 13 26 d. 23 3% 4. Write the equivalent improper fractions for the following mixed numerals, using the number line below. a. $4\frac{1}{3}$ $\frac{17}{3}$ b. $7\frac{2}{3}$ $\frac{23}{3}$ c. $5\frac{2}{3}$ $\frac{17}{3}$ d. $8\frac{1}{3}$ $\frac{25}{3}$ 5. Write the equivalent mixed numerals for the following improper fractions, using the number line above. a. $\frac{19}{3}$ b. $\frac{24}{3}$ b. $\frac{2}{3}$ c. $\frac{14}{3}$ d. $\frac{16}{3}$ c. $\frac{14}{3}$ d. $\frac{16}{3}$ c. $\frac{14}{3}$ d. $\frac{16}{3}$ c. $\frac{16}{3}$ d. $\frac{1$

Slide 45 Activity 1 Slide 24 6. Write the equivalent improper fractions for the following mixed numerals, using the number line below. 10/4 b. 1 - 5/4 c. 2³/4 d. 12 6/4 22 23 21 $\frac{2}{1}$, $\frac{1}{12} = 21$ students weithing yellow. 7. Write the equivalent mixed numerals for the following improper fractions, using the number line above. d. 11 2 3/4 3/2 13/4 b. 2 2/4 c. 5 1 4 8. Write the equivalent improper fractions for the following mixed numerals, using the number line below. c. 45 d. 410 _ a. 3³/10 b. 3⁸/10 write the equivalent mixed numerals for the following improper fractions, using the number line above. a. $\frac{34}{10}$ 3 $\frac{3}{10}$ b. $\frac{32}{10}$ 3 $\frac{3}{10}$ c. $\frac{49}{10}$ 4 $\frac{49}{10}$ d. $\frac{44}{10}$

Slide 47

Shole My

Activity 2

Solve the following word problems. Show your working.

A demonstration of karate is given by twenty-four students. One-third of these karate kids have white belts and $\frac{3}{8}$ of them have green belts. The rest have blue belts. a. Are there more students with white belts or green belts? $\frac{1}{3} \times 24 = 8 \text{ white } \frac{3}{8} \times 24 = 9 \text{ green}$ b. How many students have blue belts? 24-(8+9) = 7 blue betts attray childen 5 x 60 = 25 esting duck c. The karate teacher wants the blue belts and green belts in the front row for the demonstration. How many students will be in the front row? 9+760-(15+25+11) = 9 gluter-free b) 15+25= 40 papile = 16 students in the front row. the as dialors and allvided events in E) duck is nove sopular 25% 01 - - - 01 - 2402 (b

Shide 45 Slide Activity 2 410 2. Forty-two students are performing some Polynesian dances. Half of the students are wearing yellow costumes and $\frac{2}{6}$ are wearing white costumes. The rest of the group are girls wearing traditional red dresses. a. How many students are wearing yellow? 1 × 42 = 21 students wearing yellow. b. How many students are wearing white? 2 x 42 = 14 students wearing white 2 34 c. Only the girls wearing traditional red dresses performed the second dance. How many people are on stage for the second dance? 42-(21+14) = 7 girls wearing red. d. For the third dance, two-thirds of the students wearing yellow joined the girls in red dresses on stage. How $\left(\frac{2}{3}\times\frac{21}{4}\right)+7=21$ students performed the third dance many students performed the third dance? 4- 40

Slide 47

Stide 49

Activity 2

Working Mathematically

Call

Restaurant Jean is hosting a special dinner for 60 people.

- One-guarter are eating a main meal of chicken cassoulet
- · Five-twelfths are having duck with blum sauce
- Eleven people have requested a vegetarian meal
- The rest of the diners need gluten-free meals.

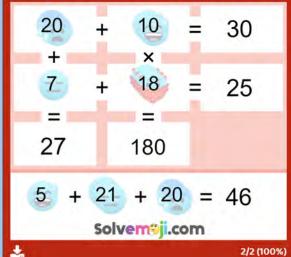
audio recording. 5 a. The gluten free meals come with a salad. How many salads will be needed? 3 b. How many people altogether will be served either chicken or duck? c. Which dish is more popular; duck or chicken? c) duck is more popular 25>15 d. The diners are divided evenly among 6 tables. What fraction of the collection are on each table? d) 60:6 = 10 .:.

In the space below, write your answers and any notes needed to justify your answers when making your

Monday's Ignition Activity

SOLUTION ID: 55286

ID: 55286 HARD Next Level EMOJI PUZZLES FOR DEVELOPING MINDS



SOLUT	ON	D: 55	290
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ID: 55290 MEDIUM Next Level EMOJI PUZZLES FOR DEVELOPING MINDS

8 + 8	3) +	8 =	24		
<u>4</u> × 4	+	9 =	25		
12 × 1	8 +	12 =	228		
12 + 9	×	4 =	48		
Solvem [©] ji.com					

	SOL	UTION	I ID: 55291	
--	-----	-------	-------------	--

ID: 55291 EASY EX C

3	+	3	+	3	=	9
3	+	11	+	11	=	25
11	+	11	+	12	=	34
3	×	22	+	24	=	90
_	9	Solve	m9ji.	com		
÷.						1/1 (100%)

Tuesday's Ignition Activity

SOLUTION ID: 55285

HARD Ne L Vel ID: 55285 EMOTI PUZZLES FOR DEVELOPING MINDS

12	+	7	×	6	=	54
12	+	6	×	邗	=	78
郱	+	14	+	邗	=	36
6	×	7	×	22	=	924
	-	Solver	m9ji	com		-
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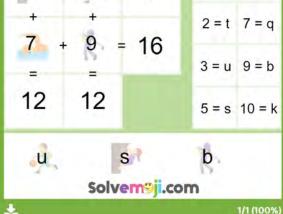
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	-	-			-	-		_

MEDIUM Next Level

12 +	10 = 22	2 3=0	d 9=t		
× 11 ×	+		< 10 = b		
= ×	8 = 88		/ 11 = e		
132	18	8 =	l 12 = a		
a	b	I e	e		
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			2/2 /1009/1		



SOLUTION ID: 55278



Wednesday's Ignition Activity

SOLUTION ID: 55277

ID: 55277 EASY

$$9 + 9 + 9 = 27$$

 $6 + 9 + 6 = 21$
 $5 + 5 + 6 = 16$
 $10 \times 6 + 9 = 69$
Solvern@j.com

SOLUTION ID: 55262

ID: 55262 MEDIUM Next Level

$$8 + 8 + 8 = 24$$

 $16 + 16 \times 14 = 240$
 $14 \times 14 + 8 = 204$

SOLUTION ID: 55284 HARD Next Level

EMOJI PUZZLES FOR DEVELOPING MINDS

$$7 + 20 + 14 = 41$$

 $7 + 7 \times 18 = 133$
 $18 + 18 + 20 = 56$
 $10 + 9 \times 14 = 136$

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0/0 (0%)

Ignition Activity - Revising 3D

Click on the picture to play the game online.



Colour flying objects in 3D in Face Painter Finding Faces 1

Ignition Activity - choose your level Answers for today will be posted at the end of the week











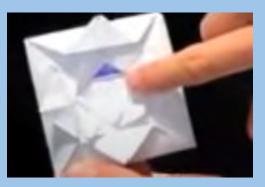
Add Fractions

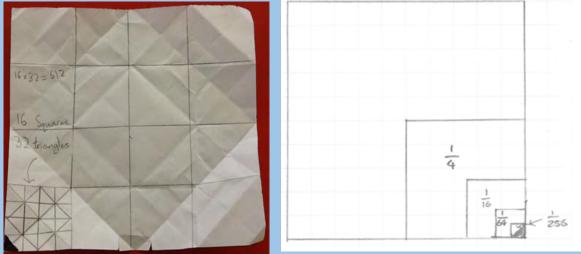


Multiply Fractions

Friday's Challenge Activity- Bryony's flower

There are amany different solutions https://nrich.maths.org/7392/solution





Another solution:

After folding the flower and shading the triangle, I got another square of paper the same size as the first one, but left it unfolded. I traced the shaded triangle onto the corner of the unfolded square of paper.

Then, I divided the unfolded square into 16 equal squares.

Then, I used a ruler to divide one of the 16 squares into triangles the same size as the shaded one on the flower. I counted the number

of triangles in the 16th of the square. There were 32 total triangles in that 16th.

32× 16=512

