Dear Year 3

We hope you and your families are keeping well and have had a good week.

Here are the suggested activities for this week for you to follow and complete.

Please also remember to take time to relax, exercise and be kind to yourselves.

Take care and keep smiling, Miss Baggott, Mrs Chafer, Mrs Roberts and Miss Baker





As always, you should be aiming to read for at least 20 minutes everyday. Find some time today to sit quietly and read.

Keep reading and exploring new worlds and adventures!

<u>Spellings for this week</u>

Use the read, cover, write strategy to learn the words: actual century exercise height naughty pressure suppose

Monday 11th May



English LO: To use a text to identify the meaning of words

Steps to success



- 1. Read or listen to the information about trolls on https://soundcloud.com/talkforwriting/trolls
- 2. Find a target word in the text.
- 3. Read around the word to help work out what it means.
- 4. Use the list of similar words, a dictionary or the internet to help you
- 5. Write down what you think the word means.

Step 1



There are many stories that have trolls in them. Trolls, like dragons, giants and unicorns, have been talked and written about for hundreds of years. One very well known story, I am sure you will know, is about a very angry troll that tried to stop goats going over a bridge to feed on the rich, green grass. But is this what all trolls are really like?

Read the information or listen to a recording of the story of The Truth about Trolls on <u>https://soundcloud.com/talkforwriting/trolls</u> to find out more.

Step 2

The Truth about Trolls

Many people believe trolls are angry, mean beasts that terrify goats and people. However, this is not true. Here is the truth about trolls.

What do trolls look like?

Like the ogre, trolls are huge. They look fierce and ugly but to another troll they are kind and beautiful. The adult troll has small, beady eyes, a bulbous, warty nose and sharp, yellow teeth. Most trolls have long, curly horns on their heads similar to a goat. Interestingly, a few trolls do not have any horns at all. No one knows why.



Where do trolls live?

Trolls are usually found in very cold countries like Iceland. They make



their homes in caves near volcanoes which provide both warmth and **shelter**. They live **peacefully** in small family groups, hidden away from people. One troll, who was very grumpy, lived alone under a wooden bridge. Because he **bullied** the local goats, he gave all trolls a very bad name.

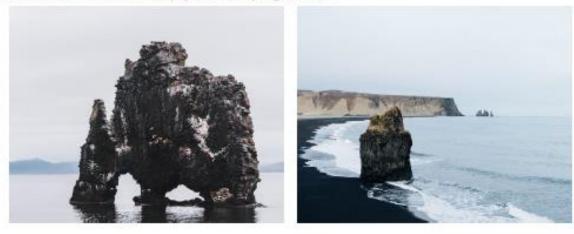
What do trolls eat?

Trolls enjoy eating all types of seafood. Trolls fish in total darkness so that they are not seen by anyone. They mostly eat their food **raw**. Sometimes, when the volcanoes have erupted, they cook their food on the hot rocks. In addition, they **gather** large mushrooms and dig up juicy roots that grow in the forest. Surprisingly, goats are not on the menu!

Did you know?

Amazingly, trolls like to have fun. They love singing and dancing. When they sing, it sounds like a rumble of thunder. When they dance, it feels like an earthquake. Sadly, because of the troll that upset the goats, all trolls now hide away from view.

They can still be seen, though, if you look really hard and believe. The rocks here are actually just sleeping trolls!



What do the words mean?

★ Read the information on trolls again. Look
 for the words shown in bold. See if you can work out what they mean.

Step 4

★ If you are stuck, there is a list of similar words on the next slide to help you. If you are still stuck, you could ask someone else in your home to tell you, use a dictionary or the internet. Step 5 Write down what you think the words mean.

Remember to check back in the text to get extra clues.

Target Word	Definition that	fits with th	e information	text		
mean						
terrify						
ogre						
fierce						
bulbous						
warty						
shelter						
peacefully						
bullied						
raw						
gather						
Similar Words Help Box						
scare unco	oked collect	quietly (not at war)	nasty	home	
big and swoll	len lumpy	angry	giant	frightened		

For example, for the word mean you could write *nasty*

<u>Maths</u> LO: To describe the part-whole relationship

https://www.thenational.academy/year-3/maths/to-describethe-part-whole-relationship-year-3-wk1-1

Go to activity 2: video

This is an online link to a video giving a step by step guide on how understanding the part-whole relationship

Screen shots have been put on the following slides if the link is not accessible.

After watching the video and having a go at the method, come back to the slide for further questions to complete.

If a pod is part of the whole, what would the whole be? Part:



Whole:



If the queue is the whole, what could a part be?



7

6

If the world is the whole, what could a part be?



Let's zoom in...

- Country
- City
- Landmark

Challenge

Let's zoom out...

If the world is the part, what could the whole be?

Main Activity

Look at the images you have been provided with. Zoom in and out to

find parts of the whole.



The day is the whole, _____ is a part.

A day is a part, _____ is the whole.

The house is the whole, _____ is a part.

A house is a part, _____ is the whole.

The park is the whole, _____ is a part.

The park is a part, _____ is the whole.

Challenge

Design your own part-whole

relationships. Draw pictures to help you.



Parent success criteria

Main Activity

Look at the images you have been provided with. Zoom in and out to find parts of the whole.







A house is a part, _____ is the whole.



The park is the whole,

_____ is a part.

The park is a part, _ is the whole.

The day is the whole.

A day is a part, _____ is

The house is the whole.

_____ is a part.

_____ is a part.

the whole.

Any answers that are relevant to the picture. For example:

The day is the whole, going to school was a part. A day is a part, the week is the whole.

Challenge

10

Design your own part-whole

relationships. Draw pictures to help you.





<u>Creative Curriculum</u> LO:To carry out a fair test

Investigate whether the size of a parachute affects how long it takes to fall

Steps to success

- Watch the video clip on
 <u>https://www.bbc.co.uk/bitesize/clips/zht2tfr</u>
- Make parachutes of different sizes.
- Drop them from the same height.
- Time how long they take to fall.
- Record results in a table.
- Explain your results.





Method:

- 1. Cut off across the corners of the square, creating an octagon shape.
- 2. Hole punch in the middle of each side.
- 3. Put a piece of string through each of the 8 holes and tie.
- 4. Gather the 8 pieces of string together and tie to your plastic person.
- 5. Cut out a small circle from the centre of your parachute to let air pass through gently.
- 6. Get up somewhere high, on top of a climbing frame or up some stairs.
- Hold the centre of your parachute, with the person underneath. Let go and watch how they travel to the ground.
- 8. Does the parachute open? Does the person travel fast or slow? Does the person go straight down or to one side? Does it spin? What could you do differently?

Tuesday 12th May



English LO: To choose adjectives to create expanded noun phrases

Steps to success

Choose adjectives to describe the troll. Challenge 1 Write 2 adjectives in a list separated by a

comma

<u>Challenge 2</u> Choose 2 adjectives beginning with the same letter.

<u>Challenge 3</u> Write a sentence using 3 different noun

phrases

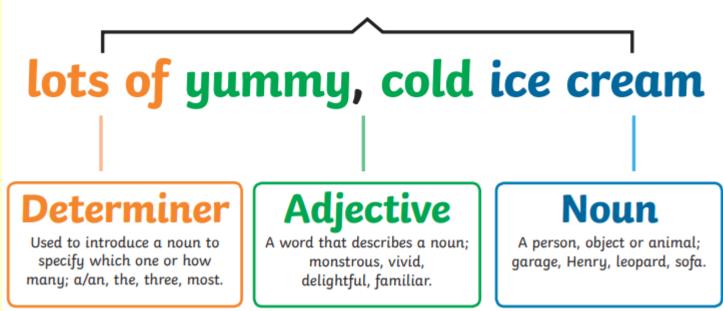
<u>Creative Challenge</u> Use your ideas to draw a picture of the troll and using noun phrases to label its features



Expanded noun phrases can be used to give the reader extra information. Find out more by watching this clip. https://www.bbc.co.uk/bitesize/articles/zhfgcqt

Expanded Noun Phrase

An expanded noun phrase is a phrase made up of **a noun** and **at least one adjective**. If you list more than one adjective to describe the noun, you should add a **comma** to separate them.



Let's investigate some of the words and phrases that help you to write interesting information text.

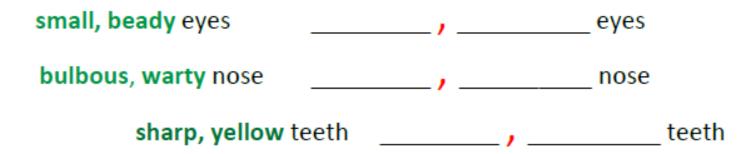
The Adjective Game:

Adjectives are used describe a <u>noun</u>. For example:

The tired, old <u>man</u> wandered over the busy <u>road</u>.

To make information writing interesting for the reader you can add adjectives to describe different nouns. In 'The Truth about Trolls', the writer, Professor Folklore, has decided to describe the eyes, nose and teeth of the trolls using <u>two</u> adjectives.

These have been separated using a comma as this is a list.





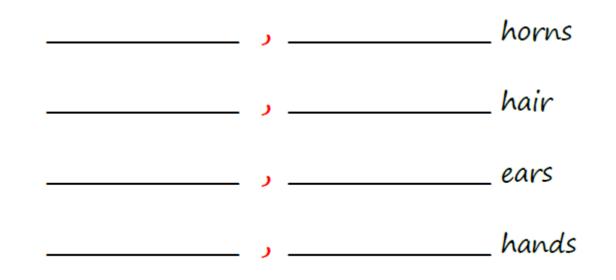
Try and think of some interesting adjectives to describe different bits of a troll. Try to make your troll seem friendly or unfriendly.

Challenge 1: Choose some other parts of a troll to describe using <u>two</u> adjectives.



Try and think of some interesting adjectives to describe different bits of a troll. Try to make your troll seem friendly or unfriendly.

The troll has:



Challenge 2: Could you use two adjectives that start with the same sound – this repetition is called <u>alliteration</u>?

For example,

bright, bulbous eyes huge, hairy ears

Writing Tip – "Has every word earned its place?"

Make sure <u>both</u> adjectives you have used to describe your troll are telling the reader something different. For example, large, big nose doesn't work because large and big are really saying the same thing.

Sentence of 3 game

You can see that 3 features have been used to help describe the troll: The troll has beady eyes, a bulbous nose and yellow teeth.

Now use your nouns and adjectives from above to write new sentences of three to describe your troll.



You need a comma after the first of the three things. Then use and after the second of the three things you are describing.

The troll has wicked eyes, a hooked nose and terrible breath.



Creative challenge: Use your ideas to draw your troll - label the different features.

<u>Maths</u> LO: To recognise parts that are equal and parts that are <u>unequal</u>

https://www.thenational.academy/year-3/maths/to-recogniseparts-that-are-equal-and-parts-that-are-unequal-year-3-wk1-2 Go to activity 2: video

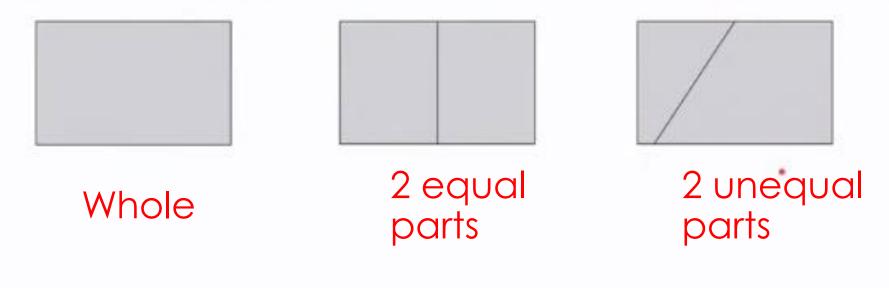
This is an online link to a video giving a step by step guide on how to recognise when parts of something are equal and unequal.

Screen shots have been put on the following slides if the link is not accessible.

After watching the video and having a go at the method, come back to the slide for further questions to complete.



Which of these shapes are split into equal parts? How do you know?

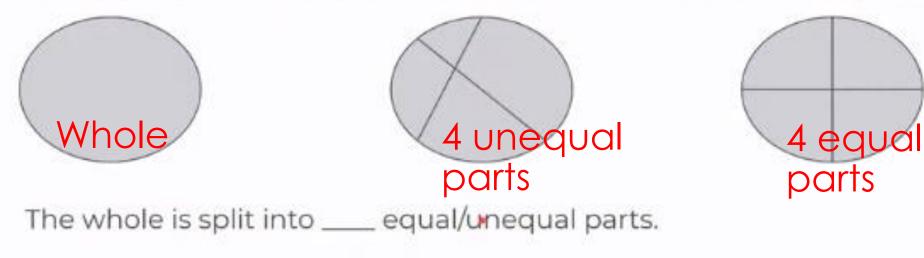


The whole is the piece of paper. There are _____ equal/unequal parts.

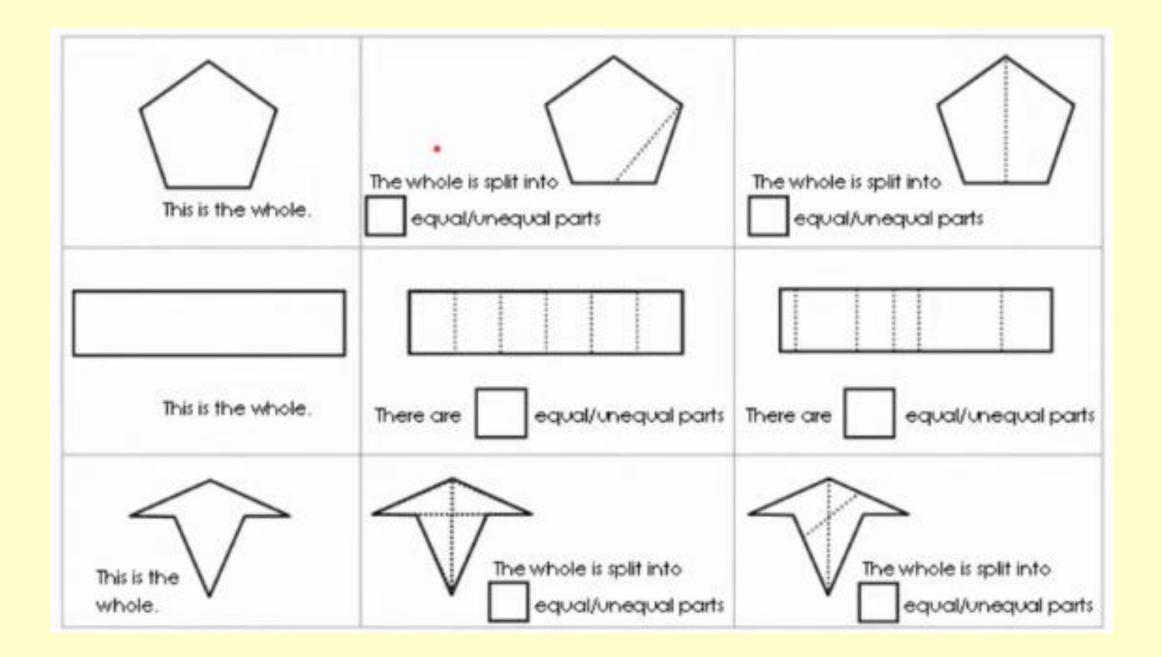


New learning

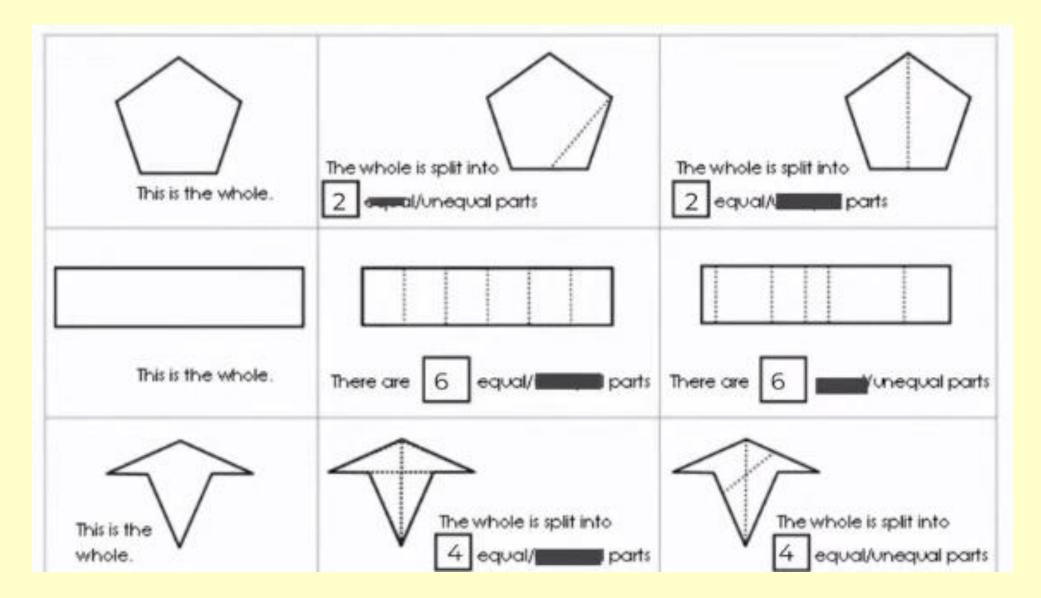
Which of these shapes are split into equal parts? How do you know?



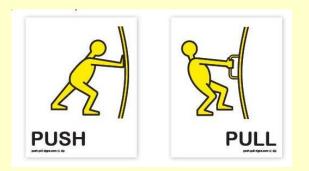




Parent success criteria



<u>Creative Curriculum</u> LO To identify the forces acting on objects



Steps to success

- 1. Read the information to find out more about forces.
- 2. Identify the force being shown in the pictures.
- 3. Say whether the force is making something start or stop moving.

What Is a Force?





A force is a push or pull acting on an object as a result of the object's interaction with another object.

Forces can make objects stop or start moving.

Click the hockey player to watch a clip showing the effects of forces on different objects.

While you are watching, note down any examples of pushes or pulls that you see.

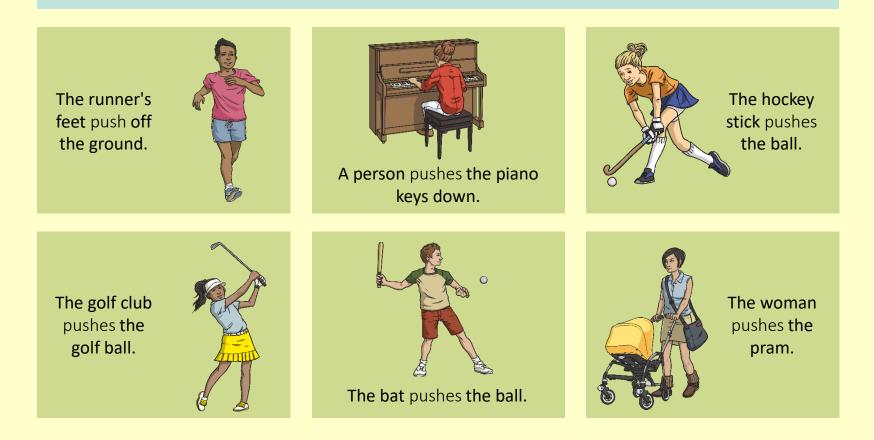
Pushes and Pulls

Did you spot these examples of pulling forces?



Pushes and Pulls

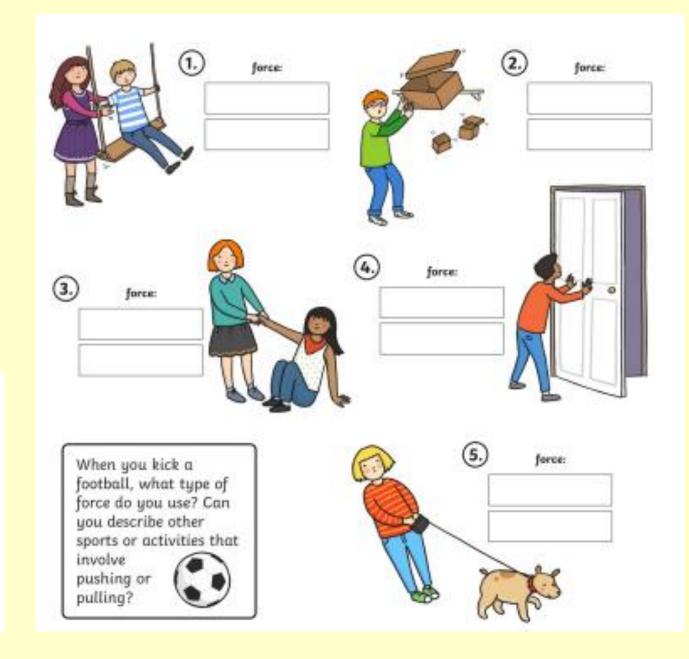
Did you notice these examples of pushing forces?



Can you identify the force in these pictures? Is the force making something start or stop moving? Click to reveal the answers.

Pushing and Pulling Forces **Answers**

push - start
 pull -start
 pull - start
 push - start
 pull - stop
 Extension: push - start



Wednesday 13th May



English LO: Use adverbs to begin sentences (fronted adverbials)

Steps to success

- 1. Choose some things trolls might like to eat.
- 2. Write them in a sentence
- begin with an adverb
- put a comma
- describe what they like to eat
- 3. Choose some facts about trolls
- 4. Write them in a sentence
- begin with an adverb
- put a comma
- describe the fact



★ Adverbs are roving reporters because they can move around sentences describing action or whole clauses. They tell you more about the <u>how</u>, <u>where</u>, <u>when</u> and <u>why</u> of everything. Let's see some of the things that they can do.

Add-On Adverbs Game

Information texts have lots of 'facts' about a topic. It is helpful to have words that 'add on' facts for the reader and not just use and ... and ... and

For example, in the 'Truth about Trolls', 'In addition' has been used as a sentence starter to 'add on' other things that trolls like to eat:

<u>In addition</u>, they gather large mushrooms and dig up juicy roots that grow in the forest.

You need to use a comma after *In addition* when it is at the start of the sentence.

Read the sentence above again out loud and change *In addition* to **Additionally, Also** or **Furthermore.** These are other adverbs that help you add on information.

Challenge: Now tell me a range of food that trolls like to eat – making it seem really tasty or disgusting! Remember, you can be creative and make things up as you are now the expert on trolls!



Now use the 'add on' adverbs below to write some new sentences. Use these sentences to help you.

In addition, they enjoy eating large mushrooms and juicy roots. Also, they enjoy eating poisonous mushrooms and rotting roots.

> In addition, Also, Additionally, Furthermore,

Tip - Say your sentence aloud first before you write it down. Does it sound right?

Remember to use a capital letter to start, a comma after the 'add on' adverb and a full stop at the end of your sentence.





Engaging Adverbs Game

Adverbs can be used at the start of a sentence to make the information engage the reader. In 'The Truth about Trolls', Professor Folklore has used Interestingly, Surprisingly and Amazingly to start some of his sentences:

Interestingly, a few trolls do not have any horns at all. Surprisingly, goats are not on the menu! Amazingly, trolls like to have lots of fun.

Try and think of something <u>interesting</u>, something <u>surprising</u> and something <u>amazing</u> about your trolls and use adverbs based on these emotions to introduce this information when you write your own engaging sentences.



Remember to use a comma after the adverb at the start of the sentence.

Interestingly,

Surprisingly,

Amazingly,

https://www.thenational.academy/year-3/maths/to-recogniseidentify-and-describe-unit-fractions-year-3-wk1-3

Go to activity 2: video

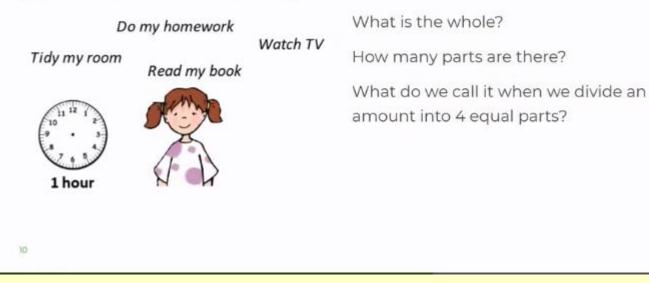
This is an online link to a video giving a step by step guide on how to recognise, identify and describe fractions.

Screen shots have been put on the following slides if the link is not accessible.

After watching the video and having a go at the method, come back to the slide for further questions to complete.

Let's Learn

Lucy spends an equal amount of time doing each



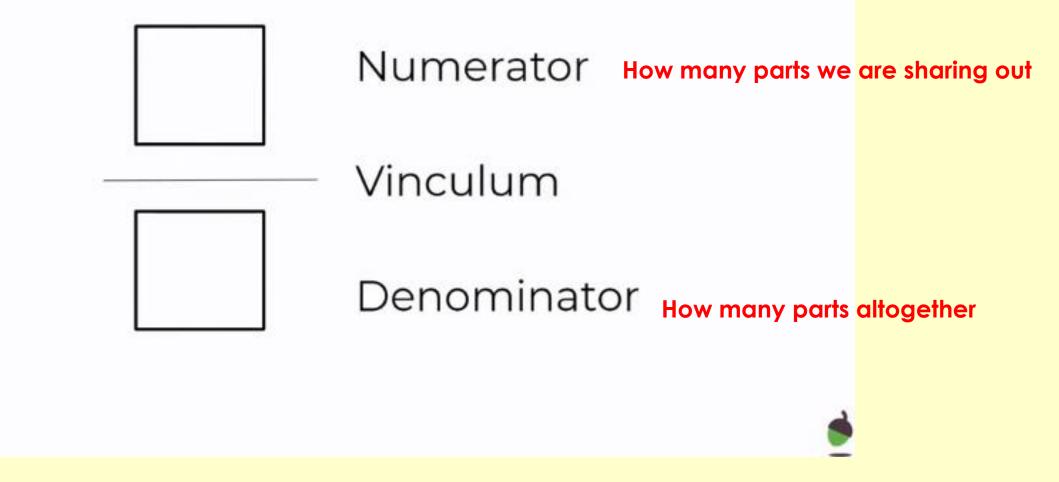
1 hour is the whole.

There are 4 activities, so 4 parts.

Each activity will equally have $\frac{1}{4}$ of the hour (a quarter)

How do we write fractions?

11



Main Activity

Activity 1

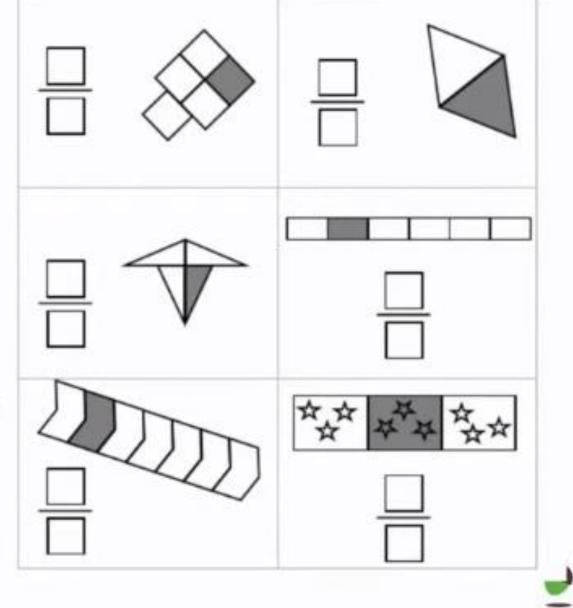
Write the shaded part as a fraction.

Activity 2

Draw your own shapes or objects to represent the following unit fractions:

- One seventh
- One eighth
- One sixth





Parent success criteria

Answers

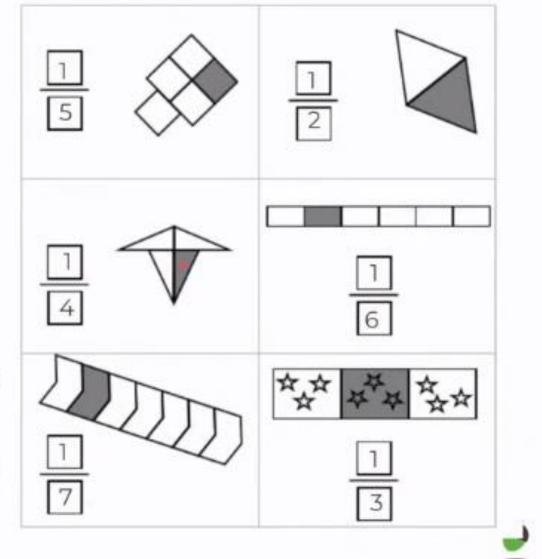
Activity 1

Write the shaded part as a fraction.

Activity 2

Draw your own shapes or objects to represent the following unit fractions:

- One seventh
- One eighth
- One sixth



<u>Creative Curriculum</u> LO: To show the use of pulse and rhythm

Pulse is a steady beat like a ticking clock or your heartbeat.

Rhythm is the pattern of long and short sounds that fit with the pulse as you move through the song.

Steps to success

- Watch this clip to learn about pulse and rhythm.
 <u>https://www.bbc.co.uk/bitesize/articles/z6mmxyc</u>
- Try out Activity 1:Practise making sounds with different parts of your body.
- Try out Activity 2:Get a steady pulse going by clapping or tapping.



Thursday 14th May



English LO: Use a range of vocabulary to plan sentences

Steps to success



- 1. Reread or listen to the information about trolls on https://soundcloud.com/talkforwriting/trolls
- 2. Look at the planning frame
- 3. Use the headings to help plan new ideas
- 4. Look back at the phrases and sentences you have made in previous lessons
- 5. Can you plan an extra section to share some new information?

Now, let's think about writing some new information about trolls.



In 'The truth About Trolls', Professor Folklore used questions as subheadings to help organise his writing and make it easier for the reader.

Here is the underlying structure of the professor's information text about trolls.

Underlying Structure

Heading: The Truth About Trolls Introduction to get reader interested in topic

What do trolls look like?

Where do trolls live?

What do trolls eat?

Did you know?

Keep your best facts for the end!

★ Challenge: What other sections could you add?

- What is troll school like?
- What jobs do trolls do?
- How do trolls look after their babies?
- What do trolls do on holiday?
- What is in a troll's cave?

★ Use the planning frame to think of different ideas for your information on trolls.

★ You can use the ideas
from the word and sentence
games.
Remember you are the new
expert!

★ Can you add an extra section?

Underlying structure	New Ideas
 Heading Introduction to get reader interested in trolls 	
What do trolls look like?	
Where do trolls live?	
What do trolls eat?	
Did you know? Keep your best facts for the end!	

<u>Maths</u> LO: To find unit fractions of a given quantity

https://www.thenational.academy/year-3/maths/to-find-unitfractions-of-a-given-quantity-year-3-wk1-4

Go to activity 2: video

This is an online link to a video giving a step by step guide on how to work out fractions of amounts.

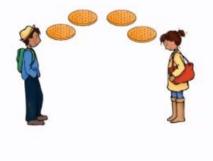
Screen shots have been put on the following slides as further guidance.

After watching the video and having a go at the method, come back to the slide for further questions to complete.

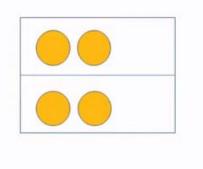
Step 1:

Let's Learn...

What is $\frac{1}{2}$ of four?



I know that because the denominator is 2, I need to split four into two equal parts.

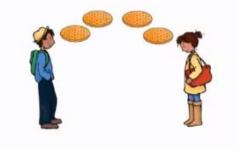


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Step 2:

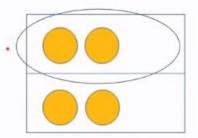
Let's Learn...

What is $\frac{1}{2}$ of four?



I know that because the denominator is 2, I need to split four into two equal parts.

Because the numerator is 1, I want one of those two parts.



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Step 1:

Let's Learn...

 $\frac{1}{3}$ of 15 = $\frac{1}{4}$ of 16 =

Prompts: What is the whole? How many equal parts are there? How many parts do we want?

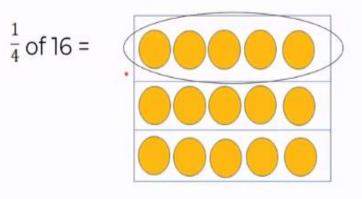
Step 2:

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Let's Learn...

 $\frac{1}{3}$ of 15 = 5

Prompts: What is the whole? How many equal parts are there? How many parts do we want?



Your turn!	
$\frac{1}{3}$ of 9 =	•
1/5 of 25 =	
¹ / ₄ of 24 =	

Prompts: What is the whole? How many equal parts are there? How many parts do we want?



Parent success criteria

Your turn!		
$\frac{1}{3}$ of 9 = 3	3	
¹ / ₅ of 25 =	5	
¹ / ₄ of 24 =	6	

Prompts: What is the whole? How many equal parts are there? How many parts do we want?

<u>Creative Curriculum</u> LO: To compare how things move on different surfaces

Steps to success

- Predict which surface creates the most friction for a toy car.
- Take measurements
- Record results in a table.
- Explain your results.

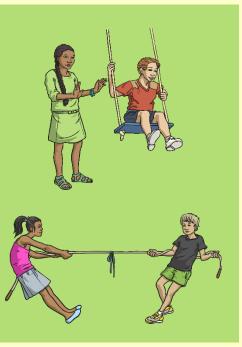


Making Things Move

Forces make things move. Whenever an object starts to move or moves faster, it is a force making this happen. Forces can also make things stop moving or slow down.

But what is a force?

- Forces are pushes and pulls.
- These pushes or pulls will always change the motion of an object. They will either make it start to move or speed up, slow it down or even make it stop.



Making Things Move

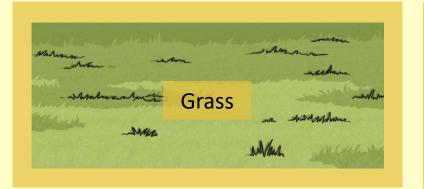
Cyclists sometimes travel over different surfaces.

By pushing the pedals harder or faster, he can change the motion of the bicycle. It will speed up.

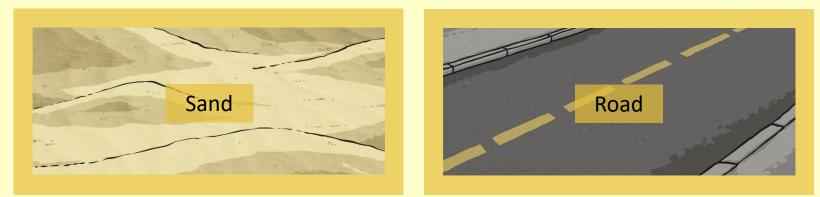
When the cyclist pulls on the brakes, the brake pads will push on the wheels, changing the bicycle's motion. It will slow down, and eventually stop.



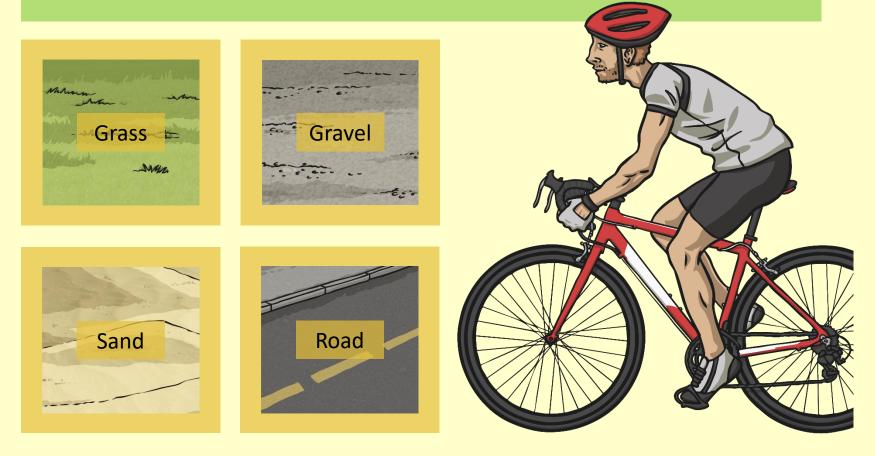
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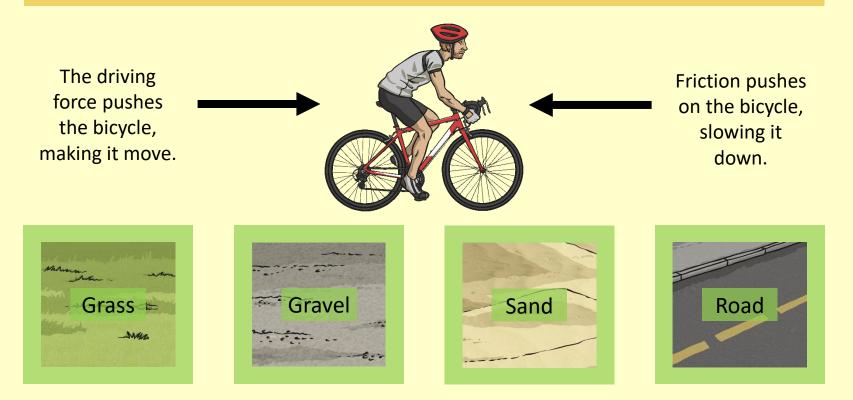




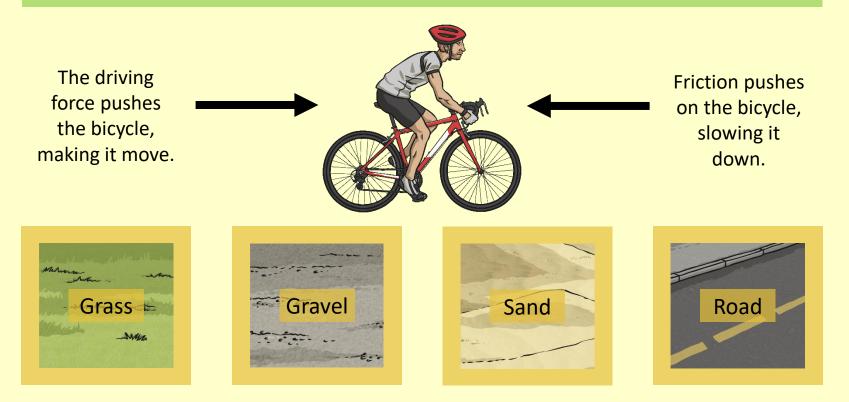
How do the different surfaces affect the motion of the bicycle?



These surfaces all exert a force on the bicycle. This force is called friction. Friction is a force that holds back the movement of an object. Friction acts in the opposite direction to the movement of the object.



Different surfaces create different amounts of friction. The amount of friction created by an object moving over a surface depends on the roughness of the surface and the object, and the force between them.



Investigating Friction



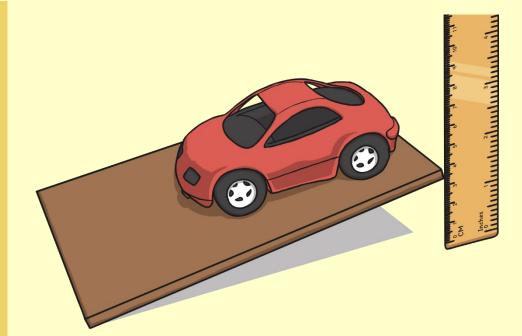
Set up your own investigation into the amount of friction created by different surfaces.

You will need:

• A toy car



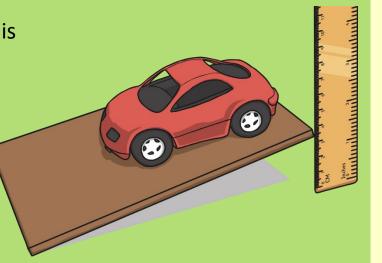
- Boards covered with different surfaces, for example, fabric, foil, tissue, newspaper, cardboard
- A ruler



Investigating Friction



- 1. Place the car at the end of one of the boards.
- 2. Place the ruler at the side of the board, so you can measure the height of the board as you lift the end.
- 3. Lift the end of the board that the car is on 1 cm at a time.
- 4. Watch the car carefully, and notice at what height it starts to move.
- 5. Try this with each of the boards covered with different surfaces.



Investigating Friction

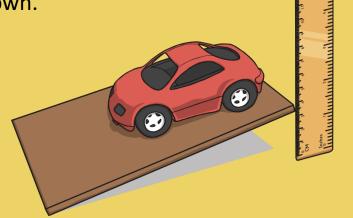


As you lift the ramp, gravity will pull the car down.

Friction will be pushing opposite to this.

Surfaces that create a lot of friction will need to be lifted higher for gravity to overcome the friction and pull the car down the ramp.

Surfaces that don't create much friction will not need to be lifted much, as it will be easier for gravity to pull the car down.



Investigate!

Which surface do you predict will create the most friction for the toy car?

Measure how high the ramp needs to be for the car to start to move over each surface. Record your results below.

Surface	Height of Ramp When the Car Started Moving

Which surface created the most friction for the toy car?

Which surface created the least friction?

Was your prediction accurate?

Predict which surface you think will create the most friction.

Record your results in a table.

Use your results to come up with a conclusion about the surface that created the most friction. Can you explain your results?

Friction Findings

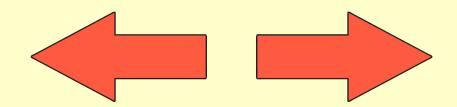


What did you discover?

Which surface created the most friction?

Which surface created the least friction?

Was your prediction accurate?



Friday 15th May



English LO: Use a range of vocabulary to write an information text

Steps to success

- 1. Look at the planning frame
- 2. Write the heading
- 3. Write each subheading
- 4. Use your ideas to write sentences using:
- expanded noun phrases
- fronted adverbials
- 5. Read to check it flows and makes sense
- 6. Check spelling and punctuation are correct





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Use the model text and your plan to draft and edit your new information on trolls.

Challenges:

Remember to:

- give the reader a picture in their head by using adjectives to describe the features of your troll;
- build up a picture for the reader using a sentence of 3 to describe your troll;
- link your ideas by using adverbs at the start of your sentences to tell the reader you are adding on information – see poster A;
- engage your reader by using adverbs of emotion at the start of a sentence see poster B.

Poster A Add-on Adverbs

Additionally, Also, In Addition,

Furthermore,

Remember to use a comma when you use these words to start a sentence. Poster B Engaging Adverbs

> Interestingly, Surprisingly, Amazingly,

Remember to use a comma when you use these words to start a sentence.

★ Read your work through and check that it flows and makes sense

★ Remember to check the spelling and punctuation and illustrate your text with pictures or drawings.

If you are proud of your writing, email it to us, we'd love to read it: year3@westfield.staffs.sch.uk

Maths LO: To describe unit and non-unit fractions

https://www.thenational.academy/year-3/maths/to-describeunit-and-non-unit-fractions-year-3-wk1-5

Go to activity 2: video

This is an online link to a video giving a step by step guide on how to describe unit and non-unit fractions.

Screen shots have been put on the following slides as further guidance.

After watching the video and having a go at the method, come back to the slide for further questions to complete.

Get exploring...

Can you show the relationship between different objects?

Draw some of your own bars or use objects around your house (such as lego) and compare them using the sentence stem example.

'Four toy cars are the same length as the remote control.' 'The remote control is four times longer than the toy car.' 'The toy car is one quarter of the remote control.'



Let's Learn...



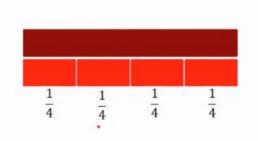
Let's look further here... What is the relationship between one red bar and the whole bar?

What about two of the red bars?

How would I write that as a fraction?

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Let's Learn...



Let's look further here... What is the relationship between one red bar and the whole bar?

What about two of the red bars?

How would I write that as a fraction?

 $\frac{2}{4}$



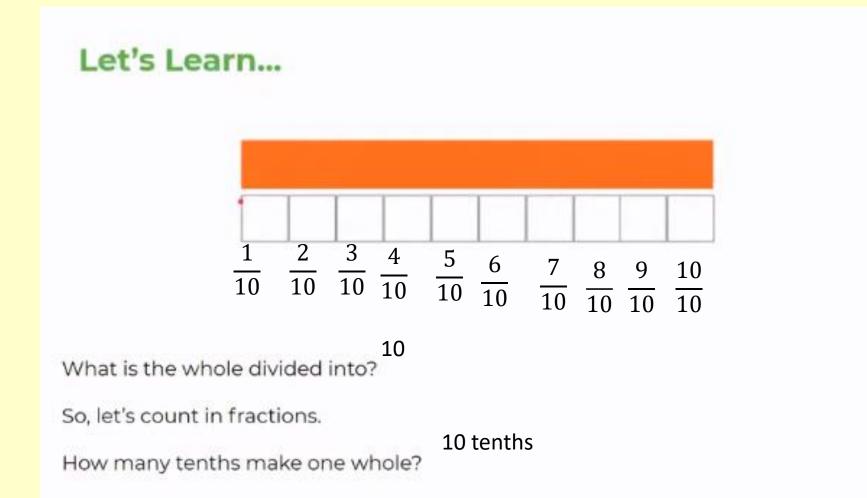
What is the whole divided into?

So, let's count in fractions.

How many tenths make one whole?

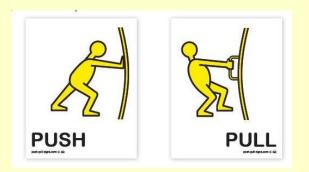


Parent success criteria



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<u>Creative Curriculum</u> LO To identify the forces acting on objects



Steps to success

Watch this clip to find out more about forces.

https://www.bbc.co.uk/bitesize/clips/zvj8q6f

- Use your toys to try out using different forces.
- Try to describe the force you are using.

Use your toys to explore forces. Do you have any hoops, balls, ropes or bats that you can hit, kick, throw, bounce, pull, push, spin and roll.

Ask someone in your family to take some photos of you using the toys. Can you identify which force you are using?

Invent a game to play with your family, explaining which forces you will need to use.





