

Warm up - Division patterns

Find the missing values



$$24 \div ? = 4$$

$$? \div 4 = 6$$

$$? \div 6 = 40$$

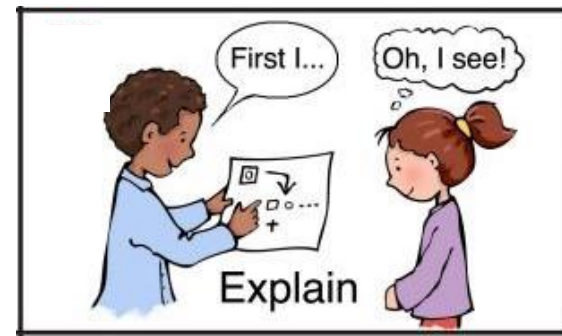
$$240 \div ? = 60$$

$$240 \div ? = 4$$

$$? \div 40 = 6$$



Talk Task - Short Division as sharing



1. Complete the calculations using the short division method
2. If you have place value counters you can use these to demonstrate
3. Explain each step of the method including estimation
4. Try to use the key vocabulary learned today

Dividend Divisor Quotient

↓ ↓ ↙

$$8572 \div 4 = 2143$$

$$408 \div 3$$

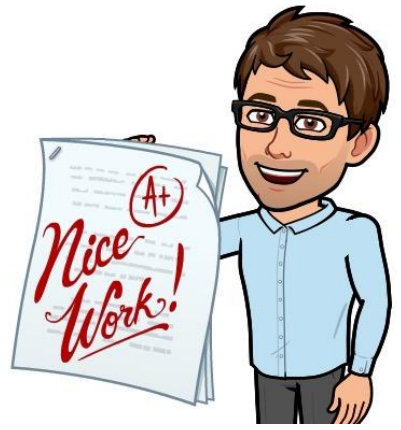
$$1353 \div 3$$

$$948 \div 4$$

$$2536 \div 4$$



Independent Task - Short division



1. Create a maths story for a word problem for each calculation.
2. Estimate the answer first to check it is reasonable.
3. Calculate using the short division methods shown today.

$$9477 \div 3 =$$

$$9378 \div 9 =$$

$$6870 \div 6 =$$

$$1694 \div 7 =$$

$$7305 \div 3 =$$

$$2527 \div 7 =$$



Dividend Divisor Quotient

↓ ↓ ↓

$$256 \div 8 = 32$$



Independent Task - Short division Answers



1. Create a maths story for a word problem for each calculation.
2. Estimate the answer first to check it is reasonable.
3. Calculate using the short division methods shown today.

$$9477 \div 3 = 3159$$

$$9378 \div 9 = 1042$$

$$6870 \div 6 = 1145$$

$$1694 \div 7 = 242$$

$$7305 \div 3 = 2435$$

$$2527 \div 7 = 361$$



Dividend Divisor Quotient

↓ ↓ ↓

$$256 \div 8 = 32$$



Kensuke's Kingdom

By Michael Morpurgo

Read Chapter 4 – Pg 60 - 68

Summary

When writing a summary, you are providing the reader with a basic idea of the key events that have happened throughout a story or text.

A summary should only focus on the main events that have happened and shouldn't involve any extra or unnecessary detail.

Example

Here is a description of a person's weekend;

On the weekend I went to the Garden Centre in Chelsea. I rode there on the tube and got a coffee from Starbucks on the way. I got a vanilla latte and a chocolate chip muffin, they tasted yummy. When I arrived at the Garden Centre, I walked around for a while. I thought about buying some seeds to plant in my garden back home, but I didn't get any. I finally found a really beautiful plant, called a Monstera Deliciosa, which I decided to buy. I also bought a plant called a Golden Pothos, these have really cool leaves that are both green and white. Once I bought my plants, I left the store and rode the tube back to my house. When I got home, I realised I had forgotten to buy pots for my new plants! I'll just have to take another trip to the Garden Centre next weekend.

If I want to summarise this person's weekend, I need to find the main events that happened first. These main events are

- They went to the garden centre.
- They bought 2 plants.
- They forgot to buy pots.

These main ideas summarise what happened on this person's weekend, without recounting all the detail.

From here I can write my summary:

On the weekend, this person went to the Garden Centre, where they bought 2 plants and forgot to buy pots as well.

Independent Task

Today you are going to summarise the main events that have led to this point in the story.

Think about the various events that have happened in each chapter so far and fill out the table below. (Chapter 1 has already been filled out for you)

Chapter	Key Event
Chapter 1	<ul style="list-style-type: none">- We meet Michael- Michaels parents lose their jobs and are made redundant- Michaels dad buys a boat and the family decide to live on the boat and sail around the world.
Chapter 2	
Chapter 3	
Chapter 4	

Writing a Diary Entry

The features of a Diary Entry.

All Diaries will include these features.

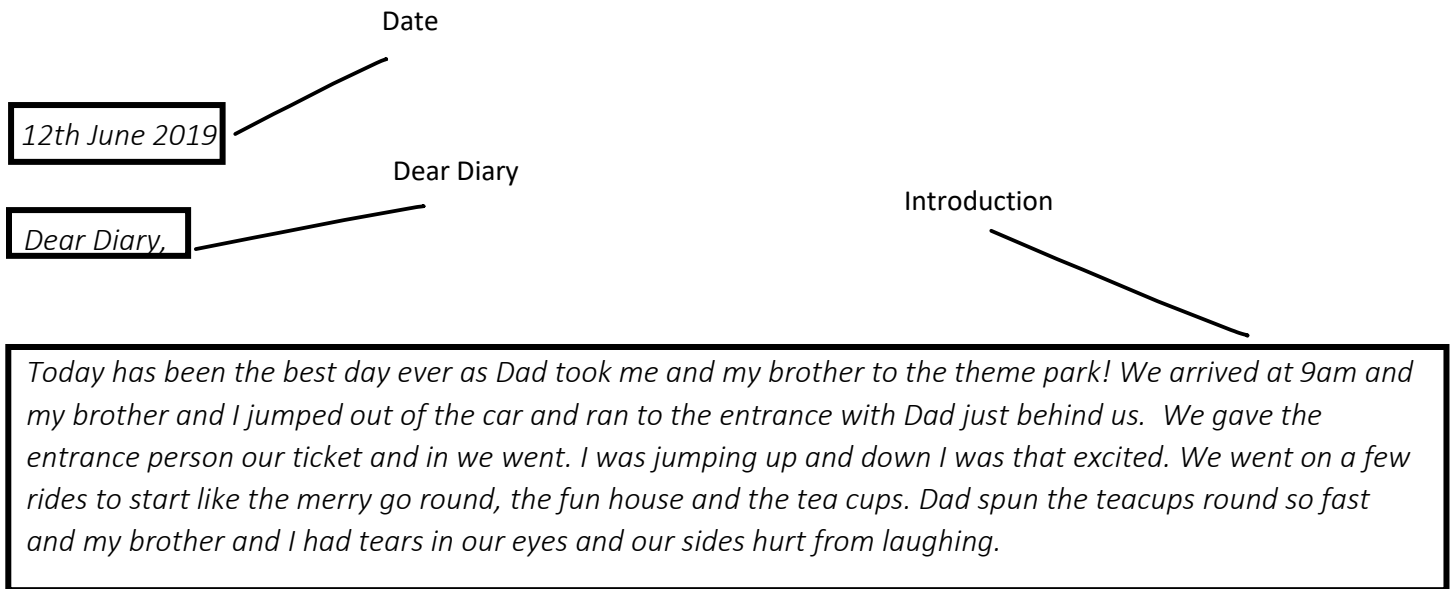
- Date at the top of the page
- 'Dear Diary'
- Past tense (describing things that happened in the past)
- First person pronouns (I, we, my, us, etc.)
- The writer's point of view, thoughts and feelings
- Includes opinions and facts
- Uses informal language
- Sign off
- From (your name) to end

Look through the text provided and write down examples of each feature found within the text in the table below.

Feature	Example
Date	
Past Tense Describes something that's already happened	
First Person Pronouns (I, we, my, our, us...)	
The Writers Point of View Feelings, thoughts (It was a great day, I had fun, I felt happy, I think this will happen)	
Opinions and Facts (Today I went to school, I really like my classroom)	
Uses Informal Language (uses "she's" instead of "she is", using language used when talking)	
Sign off (thanks for listening, I'll write again tomorrow...)	

Look at the text structure below. Use this to outline and label the different structure parts in our example text.

Example:



Structure

Date

Dear Diary,

Introduction

- Introduces what you did, who you were with and how you got there.
- What happened at the beginning of the day or event you are writing about?
- Includes how you felt about the event.

Body

- You have jumped forward to a later point in the day/ are describing a new event from the day.
- Includes how you felt about the day/event.

Conclusion

- How did the day/ event end?
- How do you feel about the day now?

Sign off

Your name

12th June 2019

Dear Diary,

Today has been the best day ever as Dad took me and my brother to the theme park! We arrived at 9am and my brother and I jumped out of the car and ran to the entrance with Dad just behind us. We gave the entrance person our ticket and in we went. I was jumping up and down I was that excited. We went on a few rides to start like the merry go round, the fun house and the tea cups. Dad spun the teacups round so fast and my brother and I had tears in our eyes and our sides hurt from laughing.

At midday we arrived at The Crazy Spinner roller coaster. I had always wanted to go on it but I had always been too small. I was ecstatic when Dad measured my height and I was taller than the line. We ran in the line. I was giddy but then, as we got closer, my tummy started to get butterflies. I looked at the big drops and people screamed as they whizzed past. I started to feel a little sick. As we got to the front, Dad took hold of my hand and said if I didn't want to go on I didn't have to. I almost said yes but then I saw how excited my brother was. We boarded the ride and they strapped us in. We were off. I was so scared as it slowly travelled up the first hill. Then it whizzed down the drop and I loved it! I screamed happily and even put my hands up in the air holding Dad's hand. As soon as we got off the ride, we ran straight back into the queue and rode it another three times!

It was the best day ever and I had so much fun with my Dad and brother. We got a balloon each at the end of the day and we even got to have an ice cream. When I sat in the car I realised how exhausted I was and within two minutes I was fast asleep.

I will write again tomorrow. See you for now.

Kimmy

Materials

Knowledge quiz

1. What do we call the ability of a material to allow heat or electricity to pass through it?

Insulation

Conductivity

Electricity

Heating

2. What do we call a material that does not allow heat or electricity to pass easily?

Conductor

Metal

Insulator

Material

3. When cooking at high temperatures, what material would be good for a spoon?

Wood

Copper

Steel

Aluminium

4. Wires in electrical circuits must be good:

Resistors

Insulators

Conductors

Radiators

5. When electricity flows, what can energy be lost as?

Charge

Superconductor

Resistance

Heat

How do compasses work?

You may remember that magnetism is both a pushing and pulling non-contact force. Magnets generate a magnetic field which produces this force. If a material is attracted to a magnet, we say it is magnetic. Only metals are magnetic, and not all metals are magnetic.

Explorers have long since relied on compasses to help them travel in the correct direction. Compasses are designed so that wherever they are, they point north.

The Earth itself generates natural magnetic fields. You may remember that the Earth has magnetic north and south poles. Magnets will be attracted to or repelled by these poles.

The needle of a compass is magnetic. It is suspended, which allows it to spin inside the compass and react to the Earth's magnetic field. The needle is naturally drawn to the magnetic north pole of the Earth.



1) What is magnetism?

2) What do we call a material that is attracted to magnets?

3) Why do explorers use compasses?

4) Explain, in your own words, how a magnetic field works.

Challenge – create your own compass

You will need

- A magnet
- A needle
- A cork or something that can float.
- A bowl of water

1. Magnetise a needle, such as a sewing needle, by rubbing it in one direction against a magnet repeatedly.
2. Place the magnet onto something that is buoyant (can float), such as a cork.
3. Place that into a bowl of water, allowing the needle to spin freely. It will point at magnetic north.



My identity profile

My Identity



Representing myself

