

2g I can identify how meaning is enhanced through the choice of words and phrases

Read the text and then answer the questions which follow.

### The Book

Sam gave his mum a weak smile and quickly put the book down on the floor. "What's the matter?" mum asked, "Don't you like it?"

"It's got all the original graphics and characters from that game you two are always playing...what's it called again?" Dad searched around for the Xbox game.

"Erm, Garden of Doom?" Tom suggested.

"That's the one!" Dad exclaimed, "take a look, I was amazed when I saw how detailed they were." Dad reached over to pick the book up. Tom sprang up from the carpet like a ninja and grabbed the book, holding it close to his chest with the front cover firmly shut. "Let's go and compare the pictures to the real thing, Sam," Tom suggested, giving Sam a deliberate nudge in the back. The boys scampered up the stairs leaving their parents looking at each other bemused. Dad shrugged and switched on the TV.

Upstairs, Tom delicately put the book down on the thick, navy carpet. They backed away from it, as if it was a ticking bomb. Breathless, they stared at each other wondering what to do. Tiny droplets of sweat had formed on Tom's furrowed brow as he nervously bit his bottom lip. Sam said, "Let's just bury it at the bottom of the toy box. So long as it doesn't open we'll be alright, won't we?" Tom nodded. A small bead of blood had formed where he'd bitten too deeply into his lip. He licked his lips, shuddering a little at the rusty taste of his own blood. Carefully, he lifted up the book whilst Sam emptied the contents of their toy box. They placed the black, leather book deep into the depths of the empty box and quickly threw toy after toy on top of it, suffocating the danger as they did so. Or so they thought.

They ran back downstairs to enjoy the rest of Sam's birthday, knowing the book was safely locked away under action man's watchful eye. Almost as soon as they reached the lounge, all thoughts about the book evaporated from their mind. They didn't think about it for the rest of the day. Not during Sam's birthday dinner at Pizza Hut, not during their popcorn fight at the cinema and not on the way home as the street lights blurred into a

fuzzy line through the car window. They didn't even think about it when they reached for the controllers and slipped Garden of Doom into the sleek, black mouth of the Xbox.

Deep in conversation, about which weapon would be the best to destroy the evil, bloodsucking worms and the flickering tongue went unnoticed. As the familiar music played incongruously in the background, the buttons were unconsciously pressed in the right order, starting the game. Two emerald eyes watched as they chatted intently. It was the silence that made them stop talking. Simultaneously their eyes were drawn to the plasma screen. The white letters blinked on and off like a broken torch. They'd seen this screen a thousand times before but they'd never noticed the emerald scales slithering around between the blades of grass.

Without thinking, Sam pressed A on the controller and the flashing letters dissolved into blackness. In their place a huge snake's head suddenly appeared. Its eyes shone like tiny black stones in a river of green. Mesmerised the brothers stared deeper into the snakes eyes, so deep they didn't feel themselves falling. Deeper and deeper they fell until they reached the cold, damp ground beneath them. Above them flowers loomed like giants. Huge, round daisy heads covered the sky like a roof. Stalks reached up above them as far as the eye could see.

The boys helped each other to their feet and stood as still as a stone. Suddenly, Tom let out a gasp. Sam followed his brother's eyes and threw his hands up to his face in disbelief. Tom took a few steps forward and placed his hand on the cold, smooth glass. Beneath him, he could see the two Xbox controllers lying lifeless like two abandoned ships in the sea like carpet. Sam put both his hands against the glass and rested his forehead on them like he was shading the sun from his eyes. He peered out, through the glass, into his bedroom below him. It felt like a dream. How could this have happened?

1. Explain what you think has happened to the boys. Use evidence from the text to support your ideas.

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Complete the following SPaG activity mat.

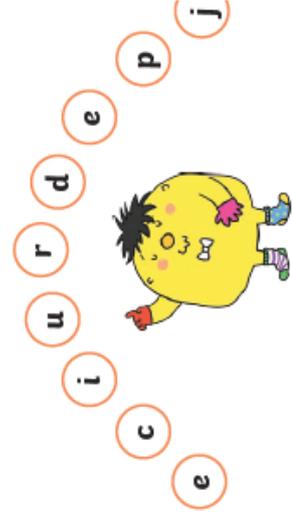
Are the underlined words a noun phrase, a prepositional phrase or a subordinate clause?

If there is heavy snowfall overnight, v can build a snowman in the morning.

The children wrapped up warm outside in the cold.

Mr Whoops has been juggling with the letters from one of his Year 6 spelling words. Can you spot what it

p \_\_\_\_\_



**c**

divided dense varied frequently  
Replace the appropriate words in the text with synonyms from the list above. The first one is done for you.

The Earth's crust is split up into tectonic plates of different shapes and sizes. The plates are made of solid rock. Earthquakes and volcanic eruptions often occur on plate boundaries.

split - divided

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**d**

Grandmother Of Eight Makes Hole In One!

Why is this newspaper headline ambiguous?

\_\_\_\_\_

\_\_\_\_\_

**a**

Place a semicolon between the two dependent clauses in this sentence.

The Lancaster Bomber was a popular aircraft used in the Second World War it became the RAF's main bomber during the battle.



**b**

Put the commas in the correct places within these sentences:

koalas which are native to Australia usually live in a eucalyptus forest habitat.

The fun-packed brownie camping trip involved climbing archery raft-building and fishing.

*This week, we would like you to write a diary. Use the steps to success to help you with your writing.*

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## Up, Up and Away

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Imagine that you won a competition and the prize was a flight in a hot air balloon, something you had never done before.

You write a diary the evening before you go on the flight and the evening after you have been on the flight describing your thoughts, feelings and experiences.



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- **Your task is to write TWO diary entries – one for the evening before and one on the evening after the balloon flight.**
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You can use your imagination to make up the details.

Diary entry one (before):

Make notes about your thoughts and feelings the evening before the balloon flight:

Diary entry two (after):

Make notes about the experience and your thoughts and feelings:

- when the balloon took off
- during the flight.

Make notes about your thoughts and feelings afterwards and how this compared with what you expected:

Whole week

# Literacy

## Writing Steps to Success

### I can write a diary

Pupil	Teacher	Features I MUST try to Include:	
		<b>Punctuation</b>	I have accurately used question marks and exclamation marks.
			I have used a range of appropriate punctuation to mark clauses. : ; , -
		<b>Vocabulary/ grammar</b>	I have written in first person.
			I have written in past tense consistently.
			I have used a range of emotive language.
			I have used adverbs of time.
		<b>Sentence</b>	I have used a range of clause structures.
			I have used passive voice.
		<b>Text structure</b>	I have used paragraphs correctly.
			My handwriting is legible and fluent throughout.
<b>Comments</b> _____ _____ _____			
<b>My target for next time</b> _____ _____ _____			

## Fractions of Amounts

1. Sarah entered a 500-word story competition. She wrote her story over three evenings. On the first evening, she wrote  $\frac{2}{5}$ , on the second evening she wrote  $\frac{3}{10}$ , and on the third evening she wrote the rest.
  - a. How many words did she write on the first evening?
  - b. How many words did she write on the second evening?
  - c. How many words did she write on the third evening and what fraction was this?
2. Two families, the Smiths and the Taylors, go to a restaurant for a meal. At the end of the night, when they pay their £177 bill, they decide to split the bill equally between the two families. Mr Smith pays for his family's half of the bill. The Taylor family, however, decide to split their half of the bill between each of their family members, each member paying  $\frac{1}{3}$  of their family's bill.
  - a. How much do the Smiths pay?
  - b. How much do each member of the Taylor family pay?
3. There were 126 school children going on a school residential trip. There were 3 coaches, each carrying  $\frac{1}{3}$  of the children. On coach B,  $\frac{1}{6}$  of the children had medication with them.
  - a. How many children were on each coach?
  - b. How many children had medication on coach B?
4. A retired couple won £628.75 on the lottery. They decided to give  $\frac{3}{5}$  to their family and to spend  $\frac{2}{5}$  on a weekend away for themselves.
  - a. How much money did the couple give to their family?
  - b. How much money did they spend on their weekend away?
5. Jane watched a film that was 156 minutes long.  $\frac{5}{8}$  of the way through the film, the doorbell rang. She paused the film to answer the door and it was the postman with a parcel.
  - a. How many minutes of the film had she watched before the postman arrived?
  - b. How many minutes of the film did she have left to watch and what fraction of the film was this?

# Spelling

Use a dictionary to define the word **suggest**.

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Which word class does the word **suggest** belong to?

noun	verb	adjective
adverb	conjunction	pronoun
preposition	determiner	

Add the word **suggest** to these sentences.

I \_\_\_\_\_ that you listen very carefully.

What would you \_\_\_\_\_ that we have for lunch?

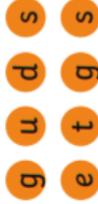
Can you \_\_\_\_\_ a good place to visit?

You're not the first person to \_\_\_\_\_ that.

Write the syllables of the word **suggest** inside the hands.



Which of the letters below is **not** in the word **suggest**?



Trace the word **suggest**.

suggest

Write the word **suggest** in as many different tenses as you can.

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Complete the word **suggest**.

su \_ \_ t

\_ \_ \_ est

sug \_ \_ \_

\_ \_ \_ g

Write your own statement containing the word **suggest**.

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Edit and improve these words so that they correctly spell the word **suggest**

suggest

suggest

suggest

Day 2

Guided Reading

2d I can make inferences from the text and justify inferences with evidence.

What two contrasting impressions do you get about the boys day?  
Use evidence from the text to support your answer.

Impression	Evidence
<hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

1. Use common factors to simplify fractions; use common multiples to express fractions in the same denominator.

a) Simplify these fractions:

$\frac{5}{20}$	
$\frac{6}{9}$	
$\frac{9}{12}$	
$\frac{4}{8}$	
$\frac{8}{10}$	

b) Identify the equivalent fraction, using the denominators shown:

$\frac{2}{10}$	=	$\frac{\quad}{5}$
$\frac{2}{8}$	=	$\frac{\quad}{4}$
$\frac{9}{12}$	=	$\frac{\quad}{8}$
$\frac{5}{15}$	=	$\frac{\quad}{3}$
$\frac{10}{12}$	=	$\frac{\quad}{6}$



2. Compare and order fractions, including fractions > 1.

a) Put these fractions in order, from smallest to largest:

$\frac{3}{4}$	$1 \frac{3}{4}$	$\frac{1}{4}$	$1 \frac{1}{2}$	$1 \frac{1}{4}$	$\frac{1}{2}$
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smallest

larg

$1 \frac{1}{6}$	$1 \frac{1}{3}$	$\frac{5}{6}$	$\frac{1}{6}$	$\frac{2}{3}$	$\frac{1}{3}$
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smallest

larg

Maths

Day 2

Aim: Multiply and Divide decimal numbers by 10, 100 and 1000

Multiply the following numbers by 10, 100 and 1000 to complete the table.

	<b>x 10</b>	<b>x 100</b>	<b>x 1000</b>
4.02			
0.045			
34.094			
209.817			
0.006			

Divide the following numbers by 10, 100 and 1000 to complete the table.

	<b>÷ 10</b>	<b>÷ 100</b>	<b>÷ 1000</b>
56.9			
209			
4.56			
709.6			
0.072			

Complete the following table.

	<b>x 1000</b>	<b>x 10</b>	<b>÷ 100</b>
607			
4 901			
		0.8	
	17 809		
			0.37

# Spelling

Use a dictionary to define the word **symbol**.

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Which word class does the word **symbol** belong to?

noun	verb	adjective
adverb	conjunction	pronoun
preposition	determiner	

Add the word **symbol** to these sentences.

A dove is a \_\_\_\_\_ of peace.

What does this \_\_\_\_\_ mean?

Insert the correct \_\_\_\_\_ into the equation.

An expensive car is a status \_\_\_\_\_.

Write the syllables of the word **symbol** inside the hands.



Which of the letters below is **not** in the word **symbol**?



Trace the word **symbol**.

symbol

Explain the importance of the letter 'y' in the word **symbol**.

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Complete the word **symbol**.

sy \_ l \_ sym \_ \_ bol s \_ b \_

Write your own question containing the word **symbol**.

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Edit and improve these words so that they correctly spell the word **symbol**.

simbol                      cymbol                      symbol

**Day 3**Guided Reading

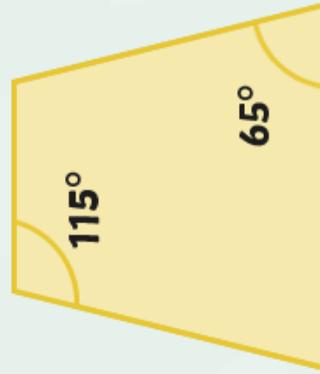
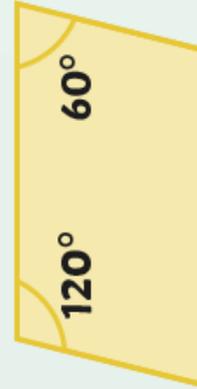
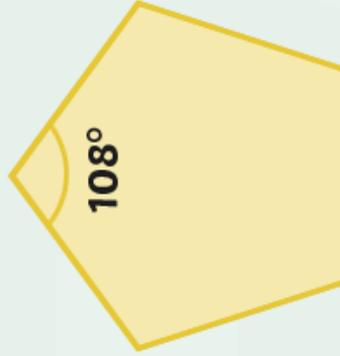
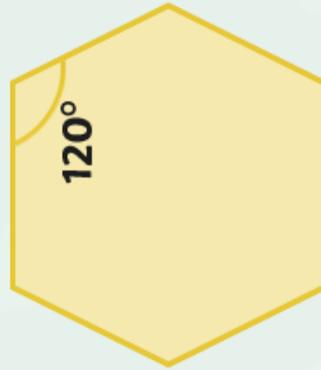
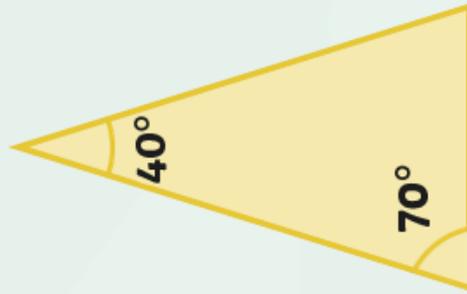
2c - I can summarise main ideas from more than one paragraph.

Number the following events 1- 7 to show the order in which they happened.

Event	Order
Tom jumped up and grabbed the book and held it tightly.	
Emerald eyes watched the boys as they chatted intently.	
They placed the black, leather book deep into the depths of the empty toy box	
Dad asked what the name of the Xbox game was.	
The family went to Pizza Hut for dinner.	
The boys could see the Xbox controllers lying beneath them.	
Tom bit his bottom lip and made it bleed.	

# Missing Angles

Identify the missing angles using any visual clues.



Maths

Day 3

1. Round the following numbers to the nearest 1000, 10 000 and 100 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
235 784			
537 182			
137 872			
872 538			

2. Round the following numbers to the nearest 1000, 10 000, 100 000 and 1 000 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000	Rounded to the nearest 1 000 000
3 476 389				
7 307 381				
5 937 037				
4 502 378				

3. Circle the numbers that would make 570 000 when rounded to the nearest 10 000.

562 893	568 291	566 873	565 032
562 278	567 519	565 499	561 499

4. Circle the numbers that would make 4 700 000 when rounded to the nearest 100 000.

4 738 347	4 742 873	4 782 674	4 755 278
4 735 278	4 779 378	4 796 278	4 735 295

# Spelling

Use a dictionary to define the word **system**.

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Which word class does the word **system** belong to?

noun	verb	adjective
adverb	conjunction	pronoun
preposition	determiner	

Add the word **system** to these sentences.

They changed the \_\_\_\_\_.

Our central heating \_\_\_\_\_ is broken.

We have a good security \_\_\_\_\_.

Do you know how this \_\_\_\_\_ works?

Write the syllables of the word **system** inside the hands.



Which of the letters below is not in the word **system**?



Trace the word **system**.

system

Explain the importance of the letter 'y' in the word **system**.

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Complete the word **system**.

sys \_\_\_\_\_

\_\_\_\_\_tem

sy \_\_\_\_\_m

s \_\_\_\_\_m

Write your own statement containing the word **system**.

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Edit and improve these words so that they correctly spell the word **system**.

sistem

cystem

system

2d I can make inferences from the text and justify inferences with evidence.

Answer the following questions using evidence from the text to support your answers.

1. Can you find two similes? Explain why they are effective.

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2. What does the word *simultaneously* mean? Write its definition below.

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3. *They placed the black, leather book deep into the depths of the empty box and quickly threw toy after toy on top of it, suffocating the danger as they did so.* Explain how the author wants the reader to feel. Use the text to support your answer.

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Day 4

Translate these Roman numerals. Don't forget to show your working out!

1. MD \_\_\_\_\_ 4. CXVI \_\_\_\_\_

2. MCD \_\_\_\_\_ 5. DCLX \_\_\_\_\_

3. XXXIV \_\_\_\_\_ 6. CXIII \_\_\_\_\_

Write these numbers in Roman numerals.

1. 35 \_\_\_\_\_ 4. 283 \_\_\_\_\_

2. 100 \_\_\_\_\_ 5. 570 \_\_\_\_\_

3. 99 \_\_\_\_\_ 6. 27 \_\_\_\_\_

Arrange these numbers in size order.

XXXV, XL, XXX, LX, LV, L, XLV, LXV

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

Arrange these numbers in size order.

CL, CCC, CCL, C, CD, CC, L, CCCL

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

Count in hundreds from one hundred.

C, CC, \_\_\_\_\_, \_\_\_\_\_, D, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

Count in five hundreds from five hundred.

D, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, MMD, \_\_\_\_\_, \_\_\_\_\_,

Complete these calculations.

1. CD + DC = \_\_\_\_\_ 4. XL + LX = \_\_\_\_\_

2. VI + IV = \_\_\_\_\_ 5. CM + MC = \_\_\_\_\_

3. XI + IX = \_\_\_\_\_ 6. CX + XC = \_\_\_\_\_

# Spelling

Use a dictionary to define the word **temperature**.

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Which word class does the word **temperature** belong to?

noun	verb	adjective
adverb	conjunction	pronoun
preposition	determiner	

Add the word **temperature** to these sentences.

What is the \_\_\_\_\_ in this room?

When I was ill, the nurse took my \_\_\_\_\_.

The \_\_\_\_\_ has fallen since this morning.

The \_\_\_\_\_ will be high today.

Write the syllables of the word **temperature** inside the hands.



Which letter from the word **temperature** is missing below?

p m e a u  
r t e e r t



Trace the word **temperature**.

temperature

How many words can you make out of the letters in the word **temperature**?

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Complete the word **temperature**.

\_\_\_\_\_ture

temper\_\_\_\_\_

temp\_\_\_\_\_ure

tem\_\_\_\_\_a

Write your own exclamation containing the word **temperature** as a noun.

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Edit and improve these words so that they correctly spell the word **temperature**.

temprature

temprachure

tempareture



Complete the questions below. Record the time it took you to complete all of the questions

Number of Questions: **60**

Testing: **2×, 3×, 4×, 5×, 6×, 7×, 8×, 9×, 10×, 11×, 12×**

$3 \times 7 = \underline{\quad}$	$11 \times 8 = \underline{\quad}$	$10 \times 5 = \underline{\quad}$	$2 \times 1 = \underline{\quad}$
$11 \times 10 = \underline{\quad}$	$7 \times 10 = \underline{\quad}$	$1 \times 7 = \underline{\quad}$	$7 \times 2 = \underline{\quad}$
$11 \times 5 = \underline{\quad}$	$6 \times 9 = \underline{\quad}$	$2 \times 3 = \underline{\quad}$	$8 \times 4 = \underline{\quad}$
$4 \times 8 = \underline{\quad}$	$12 \times 4 = \underline{\quad}$	$10 \times 5 = \underline{\quad}$	$1 \times 11 = \underline{\quad}$
$8 \times 2 = \underline{\quad}$	$12 \times 10 = \underline{\quad}$	$7 \times 1 = \underline{\quad}$	$8 \times 6 = \underline{\quad}$
$5 \times 7 = \underline{\quad}$	$5 \times 12 = \underline{\quad}$	$4 \times 8 = \underline{\quad}$	$8 \times 3 = \underline{\quad}$
$3 \times 6 = \underline{\quad}$	$10 \times 9 = \underline{\quad}$	$5 \times 11 = \underline{\quad}$	$3 \times 12 = \underline{\quad}$
$10 \times 3 = \underline{\quad}$	$10 \times 2 = \underline{\quad}$	$8 \times 1 = \underline{\quad}$	$12 \times 6 = \underline{\quad}$
$2 \times 8 = \underline{\quad}$	$12 \times 1 = \underline{\quad}$	$5 \times 10 = \underline{\quad}$	$6 \times 7 = \underline{\quad}$
$9 \times 6 = \underline{\quad}$	$10 \times 8 = \underline{\quad}$	$2 \times 10 = \underline{\quad}$	$5 \times 3 = \underline{\quad}$
$8 \times 12 = \underline{\quad}$	$6 \times 2 = \underline{\quad}$	$10 \times 4 = \underline{\quad}$	$4 \times 2 = \underline{\quad}$
$8 \times 9 = \underline{\quad}$	$12 \times 3 = \underline{\quad}$	$4 \times 1 = \underline{\quad}$	$10 \times 11 = \underline{\quad}$
$1 \times 2 = \underline{\quad}$	$4 \times 3 = \underline{\quad}$	$3 \times 2 = \underline{\quad}$	$1 \times 5 = \underline{\quad}$
$1 \times 3 = \underline{\quad}$	$12 \times 8 = \underline{\quad}$	$6 \times 6 = \underline{\quad}$	$6 \times 4 = \underline{\quad}$
$6 \times 3 = \underline{\quad}$	$10 \times 12 = \underline{\quad}$	$7 \times 2 = \underline{\quad}$	$10 \times 11 = \underline{\quad}$

Use your multiplication and division skills to solve these problems. Remember to use your inverses to help you.

1)  $17\ 864 \div \underline{\hspace{2cm}} = 22$

2)  $\underline{\hspace{2cm}} \div 24 = 219$

3)  $\underline{\hspace{2cm}} \times 26 = 23\ 426$

4)  $16\ 201 \div \underline{\hspace{2cm}} = 17$

5)  $\underline{\hspace{2cm}} \div 26 = 266$

6)  $\underline{\hspace{2cm}} \times 21 = 17\ 367$

7)  $6520 \div \underline{\hspace{2cm}} = 20$

8)  $\underline{\hspace{2cm}} \div 12 = 813$

9)  $\underline{\hspace{2cm}} \times 17 = 11\ 917$

10)  $8091 \div \underline{\hspace{2cm}} = 29$

11)  $\underline{\hspace{2cm}} \div 27 = 509$

12)  $\underline{\hspace{2cm}} \times 11 = 6611$

13)  $12\ 992 \div \underline{\hspace{2cm}} = 14$

14)  $\underline{\hspace{2cm}} \div 15 = 584$

15)  $\underline{\hspace{2cm}} \times 19 = 2603$

16)  $9405 \div \underline{\hspace{2cm}} = 45$

17)  $\underline{\hspace{2cm}} \div 44 = 534$

18)  $\underline{\hspace{2cm}} \times 59 = 29\ 441$

19)  $15\ 948 \div \underline{\hspace{2cm}} = 36$

20)  $\underline{\hspace{2cm}} \div 47 = 534$

# Spelling

Use a dictionary to define the word **thorough**.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Which word classes does the word **thorough** belong to?

noun	verb	adjective
adverb	conjunction	pronoun
preposition		determiner

Add the word **thorough** to these sentences.

My report said, "Will is slow but \_\_\_\_\_ in maths."

They completed a \_\_\_\_\_ investigation

The vet gave my cat a \_\_\_\_\_ checkup.

Will you do a \_\_\_\_\_ search?

Write the syllables of the word **thorough** inside the hands.



Which letter from the word **thorough** is missing below?

h o r o  
g u t

Trace the word **thorough**.

thorough

Write a synonym and an antonym for the word **thorough**.

**Synonym:** \_\_\_\_\_

**Antonym:** \_\_\_\_\_

Complete the word **thorough**.

thor\_\_\_\_\_    \_\_\_\_\_ough    th\_\_\_\_\_gh    th\_\_\_\_\_u\_\_\_\_\_

Write your own sentence containing the word **thorough**.

\_\_\_\_\_

\_\_\_\_\_

Edit and improve these words so that they correctly spell the word **thorough**.

thuruh

thurrouh

thurruh

The voltaic pile was hugely important as it allowed an electric current to be released steadily and efficiently. Therefore it was now possible to use an electric current as a form of power for other objects.

**Michael Faraday** used Volta's discoveries and was able to make an electric current move by using a magnet inside a wired coil. He was able to build an electric motor and generator!



**Thomas Edison** invented the modern lightbulb. While lightbulbs were not a new idea, he did improve on the previous designs which were not useful as they did not stay lit for very long.



**Lewis Latimer** worked for Edison and invented a filament (the metal part that you can see in lightbulbs, through which the electric current passes) which enabled Edison's lightbulb to stay lit for a long time.



## War of the Currents AC vs DC



There are two types of electric currents that can be generated – direct current and alternating current.



**Alternating Current (AC)**  
The electric charge changes direction periodically.



**Direct Current (DC)**  
The electric charge flows in one direction.

While there wasn't a real war about it, there was a time when it wasn't clear whether AC or DC would be used to power homes and other buildings.

The voltage of AC can be increased and decreased using a transformer. This means high voltage electricity can be transferred along power lines at a high voltage but it can be reduced to safe levels of voltage by the time it reaches buildings. DC cannot be increased or decreased in this way so is a less efficient way of transferring an electric current and also needs to be closer to the buildings it served.

There were many concerns about the use of AC due to the high voltages of electric current and whether it was safe. Edison decided that it was too dangerous and wanted DC to be used. His own company was involved in setting up DC systems in many American cities. Tesla created a more complex AC system which was called the polyphase system. It was Tesla's invention of transformers that eventually led to the victory of the AC current, as it allowed electricity to be transferred more efficiently, cheaply and safely. Even today, mains electricity in the UK comes from an AC current generated by power stations.

## Science

*To start our new topic on electricity, there is a comprehension activity for the children to complete to begin their understanding.*

## Science

Read each question carefully and answer questions in **sentences**.

1. What does the word 'electricus' mean?

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2. What key discoveries did the following scientists make? (Pick only **one**)

William Gilbert \_\_\_\_\_

Alessandro Volta \_\_\_\_\_

Michael Faraday \_\_\_\_\_

Thomas Edison \_\_\_\_\_

Lewis Latimer \_\_\_\_\_

3. Did Thomas Edison invent the lightbulb?

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4. Name two modern appliances that use electricity and explain why you think they are useful.

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5. The voltaic pile ensured a steady electric current. Why did this lead to the wider use of electricity?

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## Science



6. How are the AC and DC currents different? Include **two** examples.

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7. Who won the war of the currents and why?

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## Topic

We have started by looking at who the main players in the space race were. This week, the challenge is to create a timeline of the main events that took place in the space race. The children can choose to present the timeline however they would like, but they will need to have all the information they can included on their timeline.

They are welcome to present this on a piece of paper or digitally- whichever they find easiest and most effective. There are some websites at the bottom that will help the children find the information for their timelines.



## Starting Points for Research

<https://www.dkfindout.com/uk/space/space-race/>

[https://www.ducksters.com/history/cold-war/space\\_race.php](https://www.ducksters.com/history/cold-war/space_race.php)

[https://kids.kiddle.co/Space\\_Race](https://kids.kiddle.co/Space_Race)

<https://www.history.com/topics/cold-war/space-race>