








Year 5

Week 2 Activities

Day 1: Lesson 1 - square numbers *(answers in back of booklet)*

- 

1×1	1^2	1	
	2^2		
3×3			
		16	
	5^2		

- 2) Why are these numbers called square numbers?
- 3) Look at the square numbers in the table. What patterns can you identify?

[illegible]

1) Jess says,

" 7^2 is 14."



Do you agree?
Explain your thinking.

2) True or False? Justify your answers and use examples.

- a) The square of even numbers is always even.
- b) All square numbers have an even number of factors.
- c) The product of two square numbers is a square number.

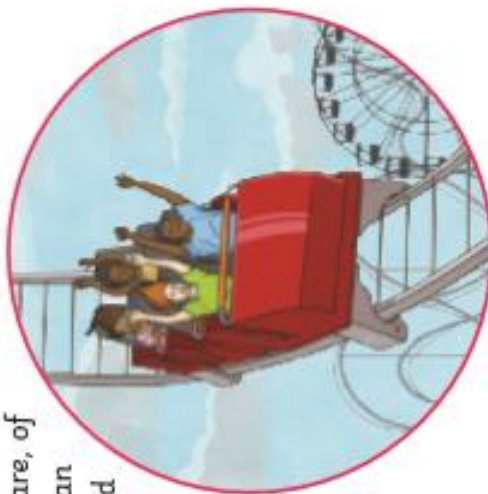
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Rollercoasters

9 The rollercoaster has been a fashionable ride for many
 17 years, with one of the first recorded rollercoasters
 26 opening in Paris in 1817. Historically, it is believed
 35 that the rollercoaster was inspired by sledging on the
 43 icy Russian Mountains. The popularity of the coaster
 53 did not spread initially. It wasn't until 1884 that the
 60 first notable and highly admired rollercoaster was
 70 opened in New York, USA, with a runaway train style
 80 ride. The coaster ran on wooden tracks and was an
 82 instant success.

91 Today, a rollercoaster track can either be a complete
 98 circuit or a shuttle-track, allowing the cars —
 106 individual or multiple — to run in both directions.

110 Modern rollercoasters are, of
 114 course, much faster than
 118 the original models and
 121 safety standards have
 123 notably increased
 125 since then.



Quick Questions



1. When did the first well-known rollercoaster open? Where?



2. Find and copy two words which tell you that rollercoasters are well-liked.



3. How do rollercoasters of the past compare with the modern day?



4. Summarise the information about the original rollercoasters in 20 words or less.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue lines across its entire width. The lines are thin and consistent in color, set against a plain white background. There are no margins, text, or other markings present on the page.

Day 1: Lesson 3 – grammar and punctuation *(answers in back of booklet)*

a Add a possessive pronoun:

Bobby packed up everything that was _____ and set off for a new life at university.



b

Rewrite this sentence with the adverbial at the beginning.

Lucy measured her height every few weeks.



c

A prefix word in each of these sentences is incorrect. Rewrite the prefix words correctly.

It is disappropriate to talk back to an adult.

The stolen trophy was itreplaceable.

d

Rewrite each sentence in the tense shown in brackets.

We look after my neighbour's pet snake. (present progressive)

Last night, the snake escape. (past perfect)

e

Mr Whoops has made three clumsy spelling mistakes in his sentences. Can you underline them and correct them?

As I'm now head coach, I tried hard to cumunicate the nessecary information to my team. If they follow my strict training programme, we can win the league.

Choose 'a' or 'an' as determiners in these sentences:

When she grows up, my sister wants to be either _____ acrobat or _____ ballerina.

She gives me _____ headache talking about it.

f

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Day 2: Lesson 1 – prime numbers *(answers in back of booklet)*

- 1) Finish the definitions:**

A prime number _____

A composite number _____



- 2) Sort the numbers correctly to show whether they are prime or composite numbers.

3, 6, 7, 9, 13, 15, 18, 27, 33, 41, 61, 81

Prime	Composite

- 3) Find all the prime numbers between 70 and 100 and write them in a list.

- 1) Michael says,**

'All prime numbers are odd.'



Do you agree? Explain your thinking.

- 2)** What number am I?
Use the clues to find all the possible numbers.
You might want to use a hundred square to help you.

I am a prime number less than 100.

I am 1 more than
a multiple of 10.

- 3)** What number am I?

I am a prime number
less than 100.

I am 2 less than a multiple of 5.

[illegible]



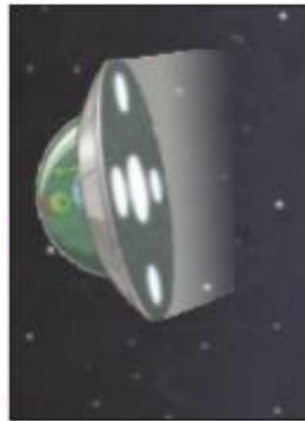
The Alien Times

UFO Sighting

3 Recent bright lights
5 and high-pitched
8 whistles have baffled
12 dog walkers in the
15 woodlands of Suffolk.
18 The disturbance has
22 occurred in the same
27 area as the UK's largest
31 ever UFO sighting, in
32 1980.

35 One astonished walker
40 said, "I walk in these
43 woods regularly and,
47 although I'm aware of
51 the unusual history of
55 the place, I've never
57 experienced anything
60 like this before."

64 It seems that someone,
67 or something, might
71 be trying to contact



75 us again, but nobody
80 can fathom why this is
83 happening nearly forty
87 years since the first
90 incident. The 'flying
94 saucer' was in almost
98 the exact same position
103 as the UFO that was
106 spotted in December,
107 1980.

110 Some residents are
113 nervous but many
117 others are excited about
121 the prospect of contact
123 with extra-terrestrials!

Quick Questions



1. Which word means the same as understand?



2. When and where was the UK's largest UFO sighting?



3. Find and copy a phrase that implies the area is known for being 'special' or 'different'.



4. Why do you think some walkers are nervous?

Can you write a report about a UFO sighting in Warndon?

[illegible]

Day 2: Lesson 3 – grammar and punctuation *(answers in back of booklet)*

Add modal verbs in the following sentence:

The crime scene investigator _____
_____ find some vital evidence
and then he _____
charge the man in custody.



Poor Mr Whoops can't work out whether to add 'cious' or 'tious'. Can you help him with these words?

ambi _____
deli _____
ficti _____



Circle all the determiners in the sentence.

Three ripe plums fell from the tree.



Can you think of an adverb of frequency, a verb and a preposition beginning with...

the letter r?		
adverb of frequency	verb	preposition
the letter o?		
adverb of frequency	verb	preposition

Can you think of the words to match the definitions?
(Clue: They are all words with an 'ei' letter pattern.)



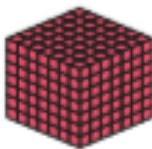


To be sent something _____
The top of a room _____
Meat and fish are good sources of this _____

Rewrite the sentence so that the subordinate clause is at the beginning. Don't forget the correct punctuation.
Ramesh and Jennifer emptied out their picnic basket before they started eating.

Day 3: Lesson 1 – cubed numbers *(answers in back of booklet)*

- 1)** Complete the table by writing the cube numbers shown by each representation. In the blank boxes, use the $<$, $>$ and $=$ symbols to compare the numbers.



$2 \times 2 \times 2$		6^3
	4^3	$1 \times 1 \times 1$
8^3		5^3
$9 \times 9 \times 9$	4^3	
	$9 \times 9 \times 9$	10^3

A blank 7x7 grid for drawing a 7-sided polygon.

[illegible]

Whodunnit?

- 8 What happened to Ms Smith's jewellery that day?
18 She was meant to wear it to watch a play,
27 She left it behind when she had got dressed,
32 All adorned in her Sunday-best.
40 Miss Ruby was seeing her friend that morning,
48 She heard the crash which came without warning,
57 The woman screamed - she was given a fright,
66 She yelled for help with all of her might.
74 The Doctor, in his usual morose, glum way,
81 Was up in his study, beavering away.
88 He ambled upstairs to discover the theft,
96 And discovered the jewellery box; nothing was left!
102 Sir Crumpet in his garden outside,
109 Was pruning all his shrubs with pride.
117 He claimed to hear voices behind the house,
126 But assumed it was either a pheasant or grouse!
134 It's such a mystery, who stole the gold,
141 The police predict its already been sold.
150 The townsfolk and I really don't have a clue!
157 The important question here is: do you?



Quick Questions



1. Where was Mrs Smith going on the day of the robbery?



2. Find and copy a word which suggests that the Doctor was slow.



3. What does the phrase 'He claimed' imply about Colonel Crumpet?



4. Can you solve the mystery? Who do you think 'dunnit'? Why?

[illegible]

Day 3: Lesson 3 – grammar and punctuation *(answers in back of booklet)*

a

Add commas in the correct places in this sentence and underline the relative pronoun:

Fun Land which has only been open three months has around 10 000 visitors every week.



b

Circle the modal verbs in these sentences:

Yasmin might win the fancy dress competition.

Gary should feed his pet goldfish tonight.

Cameron will do his homework before tea.

c

Mr Whoops has accidentally jumbled up two pronouns. Can you help him to unjumble them?

rthie

mih



d

Write the subordinating conjunction that fits best into each sentence:

_____ they are potentially harmful, x-rays help to diagnose many medical conditions.

The school team carried on training _____ it pouring with rain.

e

Write two words into each section of this table:

adverbs of possibility	
adjectives	
determiners	

f

'Thunder' can be used as a verb and a noun. Write a sentence where 'thunder' is used as a noun.

Day 4: Lesson 1 – Multiplying $4d \times 1d$ *(answers in back of booklet)*






















- 1) The time machine has broken down. We need a 3-digit code to make it work again. The code is the second digit of each product.















Write the multiplication calculation which is represented by the place value counters and find the product to help work out the code.


























a)

Thousands	Hundreds	Tens	Ones
		  	 
		  	 
		  	 

b)

Thousands	Hundreds	Tens	Ones
			
			
			
			

c)

Thousands	Hundreds	Tens	Ones
			
			
			
			
			
			

What is the 3-digit code?

- 1) Harry has been practising short multiplication. Identify and explain the errors he has made.



2	3	1	4
×			3
6	9	3	12



	3	0	4	3
\times				4
1	2	1	6	2
		1		

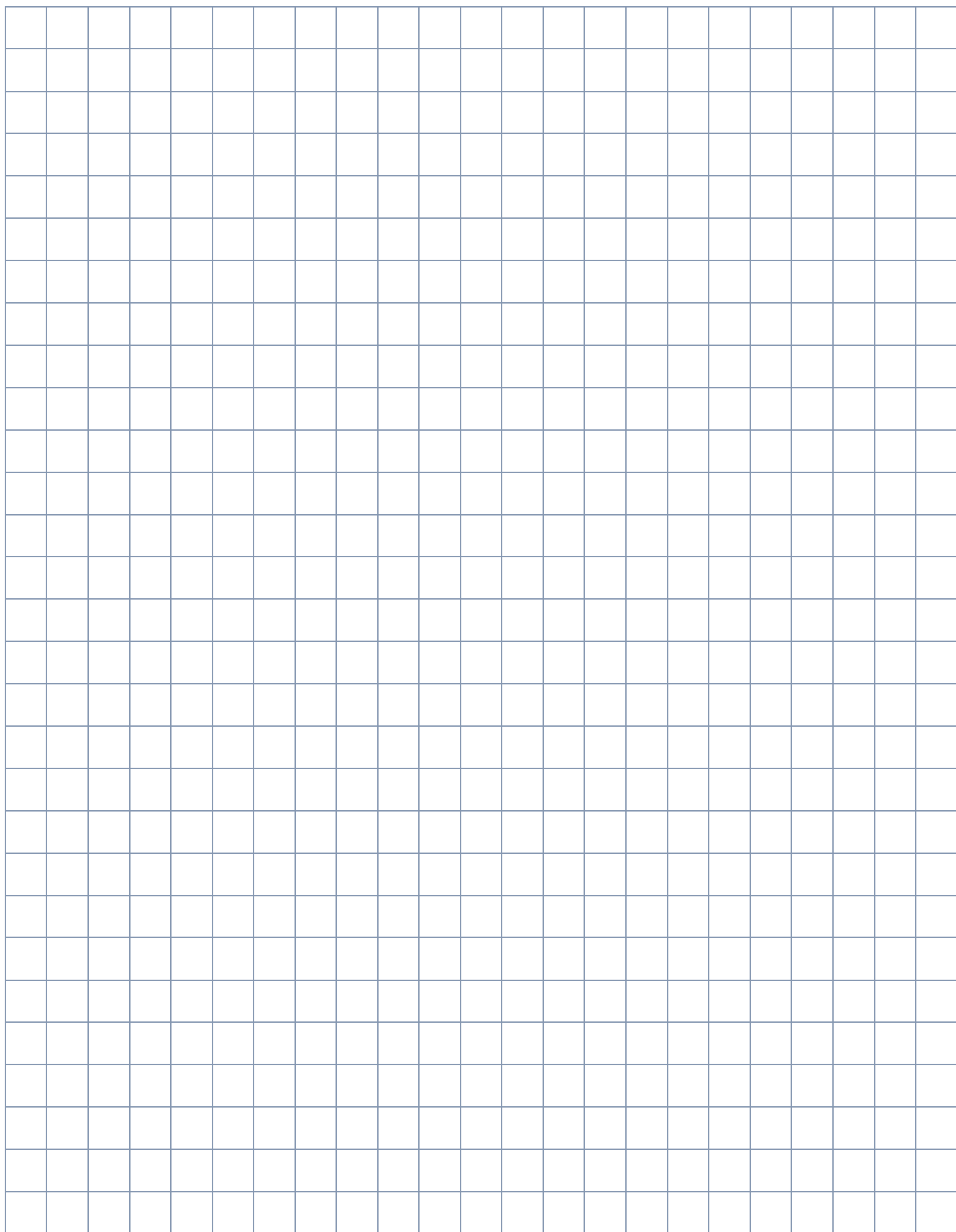
	5	2	0	6
x				6
3	1	2	9	6
	1		3	



	4	3	1	0
x				8
	3	4	4	8
		2		

- 2) Now complete each calculation correctly.

What is the 3-digit code?



My Space Journey

12 Today was the most exciting day of my life! I was finally
21 able to fulfil my ambition of travelling into space.

32 Despite having dreamed of this since I was a young girl,
39 and having completed extensive training, the actual
48 journey was much more arduous and taxing than I'd
50 ever expected.

63 The 4G force pushing on my chest as we took off felt like
74 ten elephants were sitting on me, and the wave of nausea
84 was a tsunami! I managed to distract myself with the
95 view out of the window and suddenly we were in orbit;
106 my body felt like a feather floating gently on the breeze
114 but the pressure in my head felt like
119 a sledgehammer was hitting it.

127 It was a day of contrasts but I
130 wouldn't change it!



Quick Questions

1. Which two words mean the same as 'difficult'?



2. Find a metaphor within the text.



3. Do you think the astronaut will enjoy her time in space? Explain why.



4. Why does the author say, 'It was a day of contrasts...'? Use the text to support your answer.



[illegible]

Day 4: Lesson 3 – grammar and punctuation *(answers in back of booklet)*

Underline the parenthesis in this sentence.

He finally answered (after taking almost a minute to think) that he did not understand the question.



Write out the sentence again using the correct Standard English.

Sam drinked all of his milkshake in one go.



Write these homophone words in the correct sentences:

due dew

_____ to the snow, the bus service was cancelled.

Early in the morning, the grass was covered with a fine layer of _____.

Mr Whoops has got in a terrible muddle with his suffixes to create adjectives. Can you help him add a different suffix each time to these root words to create an adjective?

comfort

self



Tick all the sentences where 'before' is used as a conjunction.

I always call at the _____

☐

newsagents before school.

Before he left, David put on his thick coat.

☐


Write a sentence about the bean plant that contains a fronted adverbial. Underline it.



Day 5: Lesson 1 – dividing $4d \times 1d$ *(answers in back of booklet)*

-

D		1	2	1	0
	6	7	12	6	0

E		1	3	2	1
	4	5	12	8	4

F		1	0	2	1
	5	5	1	0	5

- 

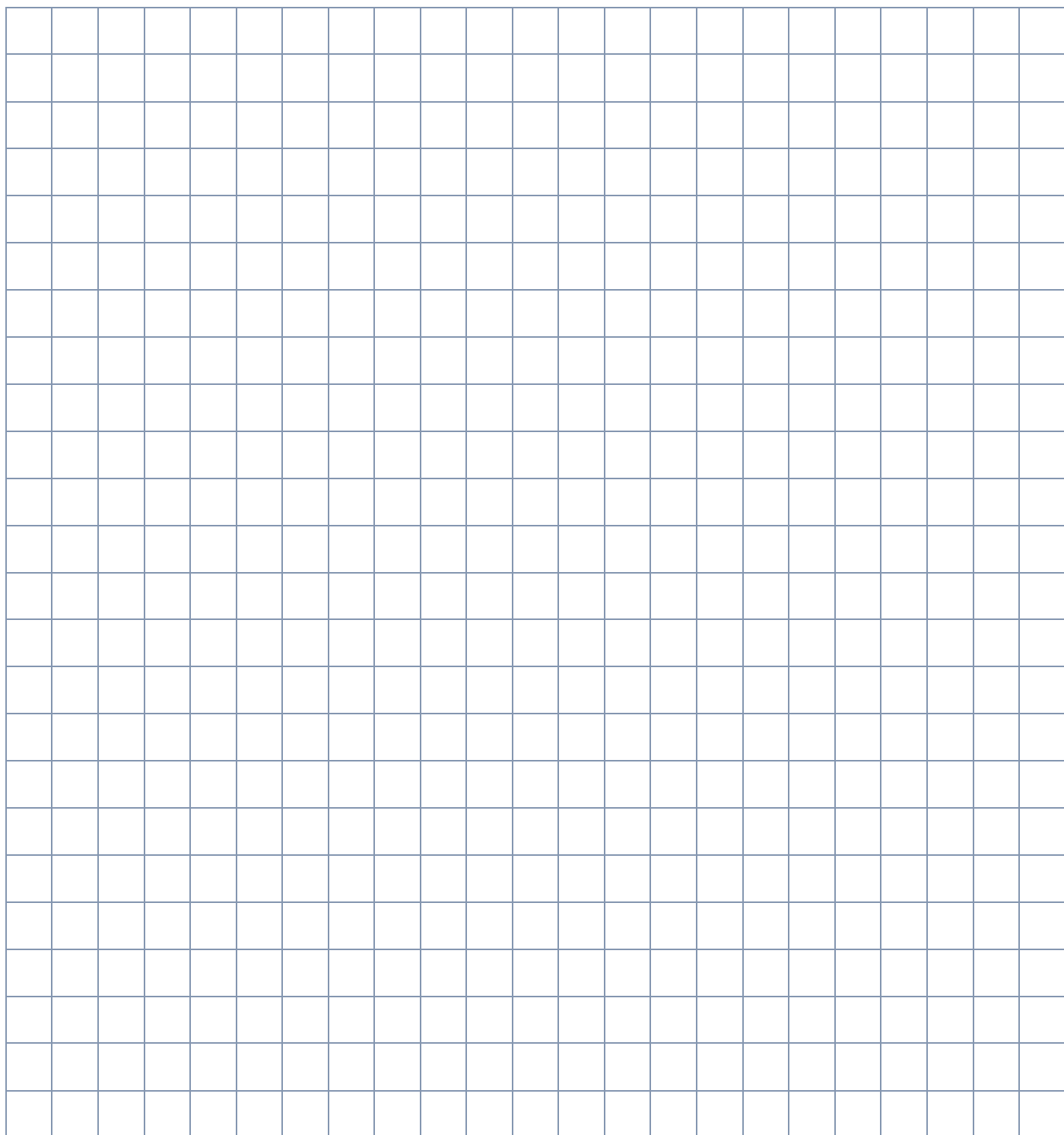
		1	2	2
8	2	¹ 4	¹ 9	¹ 6

- [illegible]

H	Th	H	T	O
	<div>1000</div> <div>1000</div> <div>1000</div> <div>1000</div> <div>1000</div>	<div>100</div> <div>100</div> <div>100</div> <div>100</div> <div>100</div> <div>100</div> <div>100</div> <div>100</div>	<div>10</div> <div>10</div> <div>10</div> <div>10</div> <div>10</div> <div>10</div>	<div>1</div> <div>1</div> <div>1</div> <div>1</div>

I	Th	H	T	O
	<div>1000</div> <div>1000</div> <div>1000</div> <div>1000</div>	<div>100</div>	<div>10</div> <div>10</div> <div>10</div> <div>10</div> <div>10</div> <div>10</div> <div>10</div> <div>10</div>	<div>1</div> <div>1</div> <div>1</div> <div>1</div>

[illegible]



Nine Facts about Planet Nine

- 10 Even though no one has seen it yet, astronomers believe
20 they have discovered a ninth planet in our solar system.
- 25 **Nine facts about 'Planet Nine':**
- 32 • It is 10 times bigger than Earth.
- 41 • It might be 20 times further away than Neptune!
- 48 • Its orbit is 10,000 to 20,000 years.
- 55 • Its gravity seems to affect objects in
60 space that circle around Neptune.
- 71 • The discovery of a 'new' planet for the first time in
77 150 years could change scientists' understanding
84 of how the solar system was made.
- 89 • UFO enthusiasts have often written
93 about a mythical 'Planet X'.
- 104 • There's only a one in 15,000 chance that it doesn't exist.
- 112 • It is a 'real' planet, which replaces the
116 downgraded 'dwarf planet' Pluto.
- 122 • The race is on to prove
124 its existence!



Quick Questions



1. Which word means the same as 'found'?



2. Find two adjectives that are antonyms of each other.



3. Do you think that the existence of Planet Nine will be proven? Explain why.



4. What effects has Planet Nine had on us and our solar system?

Day 5: Lesson 3 – grammar and punctuation *(answers in back of booklet)*



a Can you write pantomime villain's words in a direct speech sentence with the reporting clause before the inverted commas?

The pantomime villain said that he had a cunning plan and chuckled slyly.

b Write a sentence using the commonly-confused homophone word 'stationary'.

c **Local Man Captures Escaped Tiger in His Pyjamas!**

Why is this headline ambiguous?

d Mr Whoops has accidentally jumbled up three words containing silent letters. Can you help him unjumble it?

oslenm isletht



e Underline the adverb of possibility or modal verb in the following sentences, and say what type of word it is.

1. After a fantastic election speech, Yasmina was surely going to be chosen as the new school councillor.

2. As his floor was covered in dirty clothes, Joey ought to go and tidy his room.

f Insert commas around the relative clause in this sentence and underline the relative pronoun.

The disco spider who was wearing flared trousers and platform shoes parted relentlessly on the dance floor.



Answers: day 1

Add a possessive pronoun:

Bobby packed up everything that was his and set off for a new life at university.



a

A prefix word in each of these sentences is incorrect. Rewrite the prefix words correctly.

It is inappropriate to talk back to an adult.

inappropriate

The stolen trophy was ilreplaceable.

irreplaceable

c

Mr Whoops has made three clumsy spelling mistakes in his sentences. Can you underline them and correct them?

As I'm now head coach, I tried hard to cumunicate the nessecary information to my team. If they follow my strict training programme, we can win the league.

communicate necessary

programme

e

Rewrite this sentence with the adverbial at the beginning.

Lucy measured her height every few weeks.

Every few weeks, Lucy measured her height.

(Must have comma to demarcate the adverbial)



b

Rewrite each sentence in the tense shown in brackets.

We look after my neighbour's pet snake. (present progressive)

We are looking after my neighbour's pet snake.

Last night, the snake escape. (past perfect)

Last night, the snake had escaped.

d

Choose 'a' or 'an' as determiners in these sentences:

When she grows up, my sister wants to be either an acrobat or a ballerina.

She gives me a headache talking about it.

f

Answers

1. When did the first well-known rollercoaster open? Where?

Accept: '1884' and 'New York, USA'.



2. Find and copy two words which tell you that rollercoasters are well-liked.

Accept 'fashionable' and '(highly) admired'



3. How do rollercoasters of the past compare with the modern day?

Accept an explanation that rollercoasters are faster now, they don't all run on wooden tracks and they have higher safety standards. Also accept reference to the similarity that they still run on tracks and are popular.








4. Summarise the information about the original rollercoasters in 20 words or less.

Accept any reasonable summary written in 20 words or less.





1)

1×1	1^2	1	.	6×6	6^2	36	
2×2	2^2	4	••	7×7	7^2	49	
3×3	3^2	9	•••	8×8	8^2	64	
4×4	4^2	16	••••	9×9	9^2	81	
5×5	5^2	25	•••••	10×10	10^2	100	

- 2) A square number is the product of a number and itself. The product can be shown as a square array hence the name.
- 3) The square numbers alternate between odd and even.
The difference between consecutive square numbers is odd and follows the pattern 3, 5, 7, 9, 11 and so on.

- 1) Jess is incorrect. 7^2 is the same as 7×7 which is 49. Jess has calculated 7×2 .
- 2) a) True. The product of two even numbers is always even.
For example, $4 \times 4 = 16$, $6 \times 6 = 36$.
- b) False. Square numbers have an odd number of factors as they are the result of the number being multiplied by itself. For example, the factors of 16 are 1, 2, 4, 8 and 16.
- c) True. For example, $1 \times 4 = 4$, $4 \times 4 = 16$.



Answers



1. Which word means the same as understand?
Accept: fathom.



2. When and where was the UK's largest UFO sighting?
Accept: December, 1980 and (woodlands in) Suffolk.



3. Find and copy a phrase that implies the area is known for being 'special' or 'different'.
Accept: 'the area of the UK's largest ever UFO sighting' OR 'the unusual history of the area' OR 'the same position as a 'flying saucer' was spotted'.



4. Why do you think some walkers are nervous?
Accept an explanation that focuses on the unknown of UFOs and how this might cause some people to become anxious.

Answers: day 2

Add modal verbs in the following sentence:

The crime scene investigator _____
_____ find some vital evidence
and then he _____
charge the man in custody.

might/ may/ could/ should/ can etc.



Circle all the determiners in the sentence.

Three ripe plums fell from **the** tree.



Can you think of an adverb of frequency, a verb and a preposition beginning with...

the letter r? the letter o?

Accept any adverbs of frequency, verbs and prepositions starting with the suggested letters, e.g. regularly, raced and round; often, ordered and on.

Can you think of the words to match the definitions?

(Clue: They are all words with an 'ei' letter pattern.)

To be sent something **receive**

The top of a room **ceiling**

Meat and fish are good sources of this **protein**

Rewrite the sentence so that the subordinate clause is at the beginning. Don't forget the correct punctuation.

Ramesh and Jennifer emptied out their picnic basket before they started eating.

Before they started eating, Ramesh and Jennifer emptied out their picnic basket.



- 1) A prime number *has only 2 factors: 1 and itself.*
A composite number *has more than 2 factors.*

2)

Prime	Composite
3	6
7	9
13	15
41	18
61	27
	33
	81

- 3) 71, 73, 79, 83, 89, 97
-



- 1) *Michael is incorrect, as 2 is a prime number and it is even. 2 is the only even prime number.*
2) 11, 31, 41, 61, 71
3) 3, 13, 23, 43, 53, 73, 83
-

Answers: day 3

Add commas in the correct places in this sentence and underline the relative pronoun:

Fun Land, which has only been open three months, has around 10 000 visitors every week.



Circle the modal verbs in these sentences:

Yasmin might win the fancy dress competition.

Gary should feed his pet goldfish tonight.

Cameron will do his homework before tea.

Mr Whoops has accidentally jumbled up two pronouns. Can you help him to unjumble them?

rthie
their
mih
him



Write the subordinating conjunction that fits best into each sentence:

Although they are potentially harmful, x-rays help to diagnose many medical conditions.

The school team carried on training despite/ even though/ although it pouring with rain.

Write two words into each section of this table:

adverbs of possibility	Accept any two adverbs of possibility, adjectives and determiners in the correct sections of the table.
adjectives	
determiners	

'Thunder' can be used as a verb and a noun. Write a sentence where 'thunder' is used as a noun.

Accept any sentence with 'thunder' used as a noun, e.g. There was a loud roar of thunder during the savage storm. There was a loud roar of thunder during the savage storm.

Answers

1. Where was Mrs Smith going on the day of the robbery?

Accept: to watch a play.



2. Find and copy a word which suggests that the Doctor was slow.

Accept 'ambled'.



3. What does the phrase 'He claimed' imply about Colonel Crumpet?

Accept: that they might not be telling the truth.



4. Can you solve the mystery? Who do you think 'dunnit'? Why?

Accept any reasonable prediction linking to the text.



1)

8	<	125	<	216
27	<	64	>	1
512	>	343	>	125
729	>	64	=	64
216	<	729	<	1000



1) a) The numbers 111, 216, 16, 27, 343, 18 and 64 should be circled.

Carroll diagram correctly completed:

	Odd	Even
Cube Number	343, 27	512, 64, 216
Not a Cube Number	111	36, 12, 16, 18



b) The statement is true. When you multiply any odd number by another odd number, the result will be odd. When you multiply any number by an even number, the result will be even.

2) This is sometimes true. If a number ends in 0, 1, 4, 5 and 6, the last digit of its cube is the same as the original number's. However, if a number does not end in one of these digits, the last digit of its cube is as follows:

- number ending with 2: the last digit of its cube is 8;
- number ending with 8: the last digit of its cube is 2;
- number ending with 3: the last digit of its cube is 7;
- number ending with 7: the last digit of its cube is 3.

Answers: day 4

Add appropriate punctuation around the parenthesis in this sentence.

He finally answered after taking almost a minute to think that he did not understand the question.

Accept brackets, dashes or commas.



a

Write these homophone words in the correct sentences:

vain vein

My vain older brother spends most of his time doing his hair in the bathroom mirror.

The nurse at the blood donation clinic inserted the needle into the donor's vein.

c

Tick all the sentences where 'before' is used as a conjunction.

I always call at the newsagents before school. ☐

Before he left, David put on his thick coat. ☒

Liam went before Jill in the queue for dinner. ☐

e

Write out the sentences again using the correct Standard English.

Sam drank all of his milkshake in one go.

Sam drank all of his milkshake in one go.

She stirred the cake mixture really good.

She stirred the cake mixture really well.

b

Mr Whoops has got in a terrible muddle with his suffixes to create adjectives. Can you help him add a different suffix each time to these root words to create an adjective?

comfort → _____

self → _____

use → _____

e.g. comfortable/selfless/useful, etc.

d

Write a sentence about the bean plant that contains a fronted adverbial and an adjective. Underline them.

Accept any sentence with an underlined fronted adverbial and an adjective, e.g. After a few weeks, the bean had grown strong roots.



f

Answers

1. Which two words mean the same as 'difficult'?

Accept: arduous and taxing



2. Find a metaphor within the text.

Accept 'the wave of nausea was a tsunami'.



3. Do you think the astronaut will enjoy her time in space? Explain why.

Accept any reasonable answer that refers to the text, e.g. Yes because she has always wanted to do it but it is harder than she thought it would be.



4. Why does the author say, 'It was a day of contrasts...'? Use the text to support your answer.

Accept description of the contrasts of emotions the character has experienced, with reference to the text, e.g. 'feather floating' and 'sledgehammer... hitting' or 'taxing' / 'arduous' and 'exciting'.



- 1) a) $1132 \times 3 = 3396$
b) $2042 \times 4 = 8168$
c) $3613 \times 6 = 21678$

The code is 311.


- 2) Possible answers must show the need for calculating 2103×4 , for example:
Sally is writing a book. Each day, she writes 2103 words. How many words has she written after the fourth day?
Sylvain earns £2103 a month. How much does he earn after four months?
-

- 1) a) Harry should have regrouped the ten from 4×3 and added this to 10×3 , to make 4 in the tens column.
b) Harry has not regrouped the ten from 3×4 .
c) Harry has incorrectly recorded 0×6 as 6.
d) Harry has not recorded 0×8 as 0 by putting a place holder in the ones column.
- 2) a) $2314 \times 3 = 6942$
b) $3043 \times 4 = 12172$
c) $5206 \times 6 = 31236$
d) $4310 \times 8 = 34480$



Answers: day 5

a



Can you write pantomime villain's words in a direct speech sentence with the reporting clause before the inverted commas?

Accept direct speech with the reporting clause either before or after the inverted commas, e.g. The pantomime villain chuckled slyly, "I have a cunning plan." or "I have a cunning plan," the pantomime villain chuckled slyly.

b

Write a sentence using the commonly-confused homophone word 'stationary'.

Accept any sentence where 'stationary' is used in the correct context as an adjective, e.g. The train pulled into the station and remained stationary until all the passengers got on.

c

Local Man Captures Escaped Tiger in His Pyjamas!


Why is this headline ambiguous?

Accept an explanation about how the headline could be misconstrued and readers may think that the tiger was wearing the local man's pyjamas.

d

Mr Whoops has accidentally jumbled up three words containing silent letters. Can you help him unjumble it?

oslenm isletht



e

Underline the adverb of possibility or modal verb in the following sentences, and say what type of word it is.

- After a fantastic election speech, Yasmina was surely going to be chosen as the new school councillor.
- As his floor was covered in dirty clothes, Joey ought to go and tidy his room.


'surely' is shown as an adverb of possibility.

'ought' is shown as a modal verb.

f

Insert commas around the relative clause in this sentence and underline the relative pronoun.

The disco spider who was wearing flared trousers and platform shoes partied relentlessly on the dance floor.



Answers

- Which word means the same as 'found'?
discovered
- Find two adjectives that are antonyms of each other.
'mythical' and 'real'
- Do you think that the existence of Planet Nine will be proven? Explain why.
Accept any reasonable explanation using the points from the text to support. E.g. Yes, because there is only a very small chance that it doesn't exist or No, because it is 20 times further away than Neptune so very difficult to actually see or get to.
- What effects has Planet Nine had on us and our solar system?
Accept description of the effect of its gravity on objects around Neptune AND the effect of changing scientists' thinking.



- 1) A - E and H
B - F and I
C - D and G



2) a)
$$\begin{array}{r} 1 \quad 1 \quad 7 \quad 2 \\ 3 \overline{) 3 \quad 5 \quad 21 \quad 6} \end{array}$$

1172kg flour

c)
$$\begin{array}{r} 1 \quad 3 \quad 0 \quad 2 \\ 7 \overline{) 9 \quad 21 \quad 1 \quad 14} \end{array}$$

1302kg sugar

b)
$$\begin{array}{r} 0 \quad 9 \quad 0 \quad 7 \\ 5 \overline{) 4 \quad 45 \quad 3 \quad 35} \end{array}$$

907ml milk

d)
$$\begin{array}{r} 1 \quad 1 \quad 5 \quad 1 \\ 6 \overline{) 6 \quad 9 \quad 30 \quad 6} \end{array}$$

1151ml cream

- 1) Fernando has not regrouped correctly. When he did 2 (thousands) divided by 8, he should have regrouped the two thousands for 20 hundreds and written 24 hundreds. The same error has occurred with the remaining hundreds being regrouped for tens. The correct working and answer is as follows:



$$\begin{array}{r} 3 \quad 1 \quad 2 \\ 8 \overline{) 2 \quad 24 \quad 9 \quad 16} \end{array}$$

- 2) Daniel is correct. $1540 \div 5 = 308$ $308 \div 7 = 44$