

YEAR 6 HOMEWORK

ANSWERS – PACK 5

Whilst school is closed, we have planned and designed a variety of tasks for the Year 6 children to complete. The tasks are designed to follow the learning that would have been happening in school, as closely as possible. In addition, we also expect all pupils to read daily, as well as use **TT Rockstars** and **Spelling Shed** to practise their times tables facts and spellings.

Please see answers to each task set for
MATHEMATICS
on the following pages.

If feedback or assistance is needed on specific tasks, please don't hesitate to contact the Year 6 team via

Mrs Fogarty-Slack
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YEAR 6 HOMEWORK - ARITHMETIC

Set A

$$A. \frac{1}{7} + \frac{3}{7} = \frac{4}{7} \text{ (M)}$$

$$B. 43.34 + 4.894 = 48.234 \text{ (W)}$$

$$C. 76.4 - 21.2 = 55.2 \text{ (M)}$$

$$D. 5 \times 6 \times 5 = 150 \text{ (M)}$$

$$E. 683 \times 7 = 4,781 \text{ (W)}$$

PHASE 4



YEAR 6 HOMEWORK - ARITHMETIC

Set B

1	10.47	2	1.53	3	49.836
4	7.186	5	17.63	6	5.665
7	28.715	8	0.99	9	78.423

YEAR 6 HOMEWORK - ARITHMETIC

Set C

$$A. \frac{1}{3} + \frac{1}{6} = \frac{3}{6} \text{ or } \frac{1}{2} \text{ (M)}$$

$$B. 41,322 - 18,573 = 22,749 \text{ (W)}$$

$$C. 8 \times 3 \times 3 = 72 \text{ (M)}$$

$$D. 89.43 - 13.12 = 76.31 \text{ (M)}$$

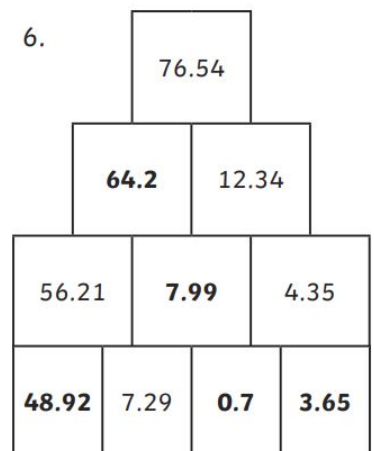
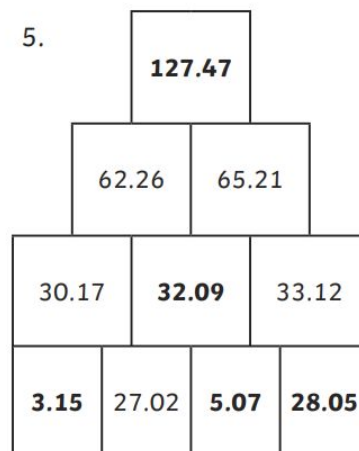
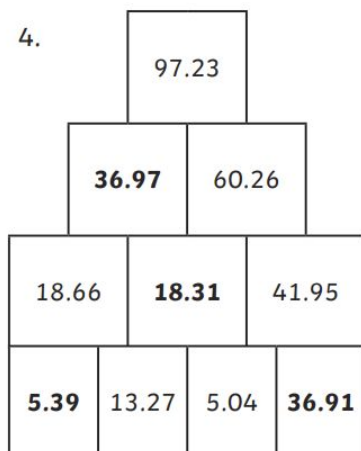
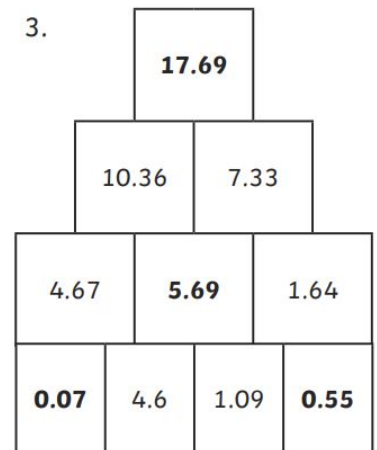
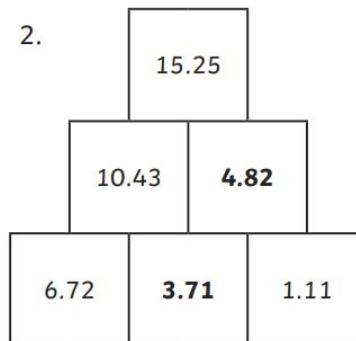
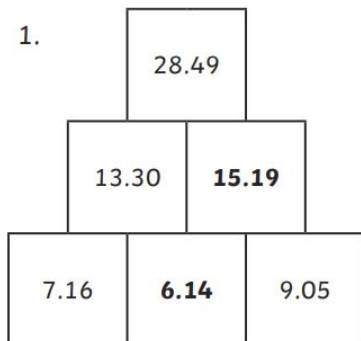
$$E. 37 \times 78 = 2,886 \text{ (W)}$$

YEAR 6 HOMEWORK - ARITHMETIC

Decimal addition & subtraction ANSWERS

Each block totals the block above them. Use addition and subtractions to complete the missing steps.

Set D



YEAR 6 HOMEWORK - ARITHMETIC

Fluent in Five

Sets of five arithmetic questions – aim to answer each set in under five minutes!

Set E

$$\text{A. } 984 + 70 = 1,054 \text{ (M)}$$

$$\text{B. } 64,326 - 14,168 = 50,158 \text{ (W)}$$

$$\text{C. } 654.43 \times 10 = 6544.3 \text{ (M)}$$

$$\text{D. } 106 \text{ r } 1 \text{ or } 106 \text{ r } \frac{1}{7} = 743 \div 7 \text{ (W)}$$

$$\text{E. } 993 + 120 = 1,113 \text{ (M)}$$

YEAR 6 HOMEWORK - REASONING

Answer each calculation fully, showing all workings.

1

A new style vehicle can travel for 85,125Km but has to change its electrical system 5 times during the journey.

How far does it travel with each electrical system?

17,025km

2

- | | |
|-----------------------|------------------|
| 1. 45 minutes | 6. 2,700 seconds |
| 2. 1 hour 45 minutes | 7. $\frac{1}{6}$ |
| 3. 15 minutes more | |
| 4. 4 hours 15 minutes | |
| 5. 14:00 | |

YEAR 6 HOMEWORK - REASONING

4

Explain how you calculated each answer below:

60 months =

5

years

72 hours =

3

days

84 days =

12

weeks

YEAR 6 HOMEWORK - REASONING

Answer each calculation fully, showing all workings.

5

Numerator					
10	1	3	12	16	4

Denominator					
25	8	1000	5	20	50

a) 48%

b) 1%

c) 0.15

d) 0.8

e) 40%

f) 20%

g) 0.16

h) 12%

a) $\frac{4}{25}$

b) $\frac{10}{1000}$

c) $\frac{3}{20}$

d) $\frac{4}{5}, \frac{16}{20}$

e) $\frac{10}{25}$

f) $\frac{4}{20}, \frac{1}{5}$

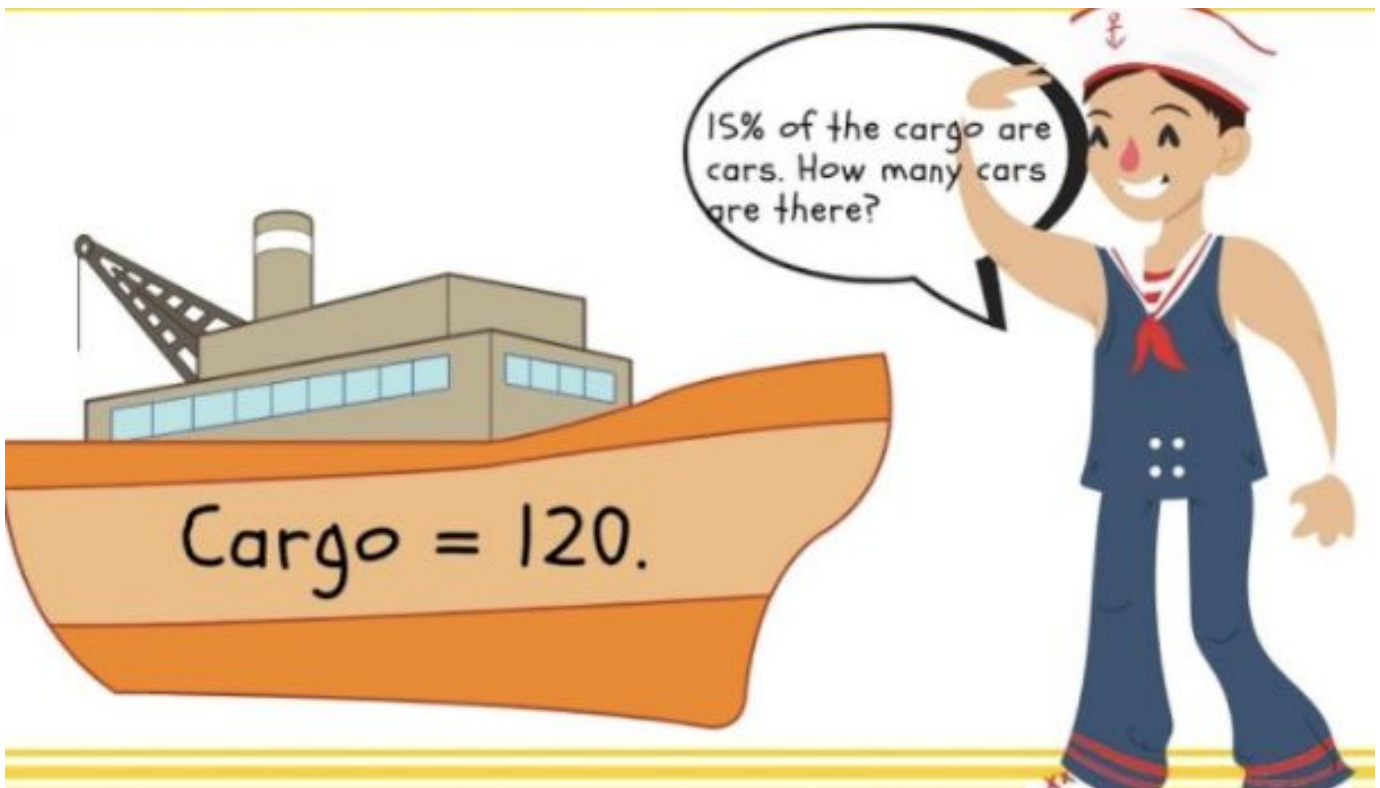
g) $\frac{4}{25}$

h) $\frac{3}{25}$

YEAR 6 HOMEWORK - REASONING

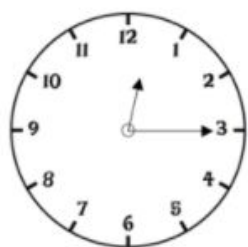
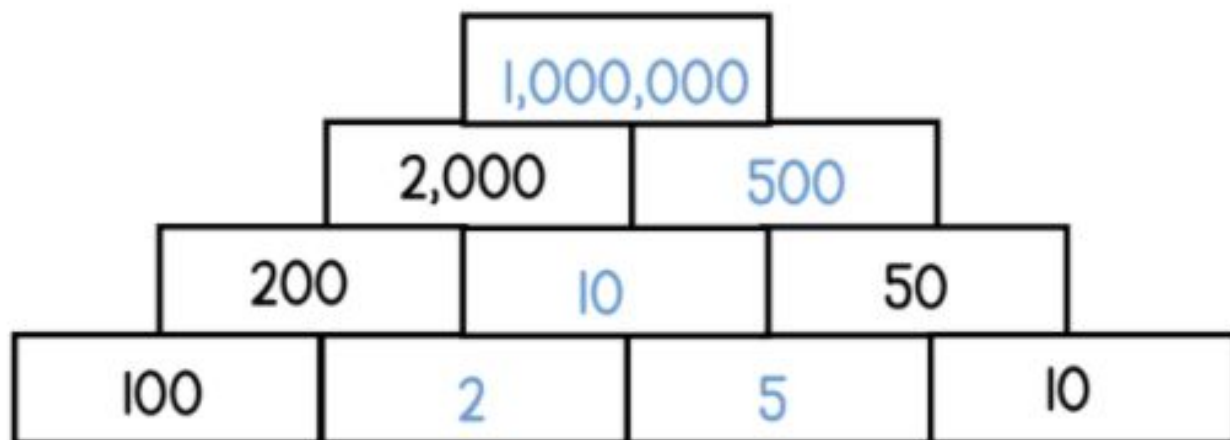
Answer each calculation fully, showing all workings.

6

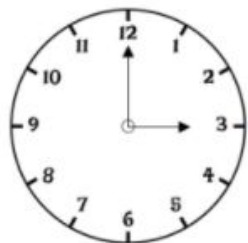


15% of 120 (total cargo) = 18 cars

YEAR 6 HOMEWORK - SKILL RECAP



15 : 00



12 : 15



03 : 12

Tim and Jemima both walk 12 kilometres.
Tim takes 4 hours and 10 minutes.
Jemima takes 270 minutes.
Who takes the longest?

Tim

Jemima

How much longer?

20 minutes

Complete the table.

Month	Number of Days
March	31
November	30
February	28 or 29

YEAR 6 HOMEWORK - MATHS SKILL

Skill practise: Converting Improper Fractions to Mixed fractions

$$\frac{43}{7} = \underline{6 \ 1/7}$$

$$\frac{61}{8} = \underline{7 \ 5/8}$$

$$\frac{43}{6} = \underline{7 \ 1/6}$$

$$\frac{45}{8} = \underline{5 \ 5/8}$$

$$\frac{9}{4} = \underline{2 \ 1/4}$$

$$\frac{49}{8} = \underline{6 \ 1/8}$$

$$\frac{23}{5} = \underline{4 \ 3/5}$$

$$\frac{51}{10} = \underline{5 \ 1/10}$$

$$\frac{9}{2} = \underline{4 \ 1/2}$$

$$\frac{22}{4} = \underline{5 \ 2/4}$$

YEAR 6 HOMEWORK - MATHS SKILL

Skill practise: Converting Improper Fractions to Mixed fractions

$$3\frac{2}{3} = \underline{11/3}$$

$$7\frac{2}{5} = \underline{37/5}$$

$$2\frac{2}{3} = \underline{8/3}$$

$$9\frac{3}{4} = \underline{39/4}$$

$$2\frac{1}{2} = \underline{5/2}$$

$$5\frac{1}{3} = \underline{16/3}$$

$$3\frac{2}{5} = \underline{17/5}$$

$$7\frac{3}{4} = \underline{31/4}$$

$$8\frac{1}{2} = \underline{17/2}$$

$$8\frac{3}{4} = \underline{35/4}$$

YEAR 6 HOMEWORK - MATHS SKILL



Apply: Calculating with mixed numbers



Max subtracts $\frac{7}{5}$ from $2\frac{1}{2}$. What should his answer be?

$11/10$ or $1\frac{1}{10}$

There are **2** whole pizzas and $\frac{7}{8}$ of a pizza on the table. William eats $1\frac{3}{12}$. How much pizza is left?

$1\frac{5}{8}$ or $13/8$

Miss Lakeland asks her class to find the difference between $\frac{27}{12}$ and $1\frac{1}{6}$. What mixed number answer should her class give?

$1\frac{1}{2}$

Scarlett starts at $1\frac{1}{6}$. she adds $\frac{17}{18}$. she then subtracts $\frac{5}{6}$. What mixed number should she finish with?

$23/18$ or $1\frac{5}{18}$

YEAR 6 HOMEWORK - MATHS CHALLENGE

	Answer	Letter
25% of 20	5	D
20% of 80	16	O
50% of 26	13	E
20% of 85	17	S

80% of 30	24	F
10% of 130	13	E
30% of 50	15	B
1% of 200	2	R
2% of 150	3	U
25% of 24	6	A
20% of 10	2	R
10% of 230	23	Y

25% of 76	19	L
40% of 30	12	I
62.5% of 40	25	K
1% of 1300	13	E

50% of 18	9	M
20% of 30	6	A
0.5% of 400	2	R
75% of 28	21	C
20% of 35	7	H?

	Answer	Letter
10% of 220	22	N
80% of 20	16	O,

75% of 20	15	B
15% of 20	3	U
50% of 40	20	T

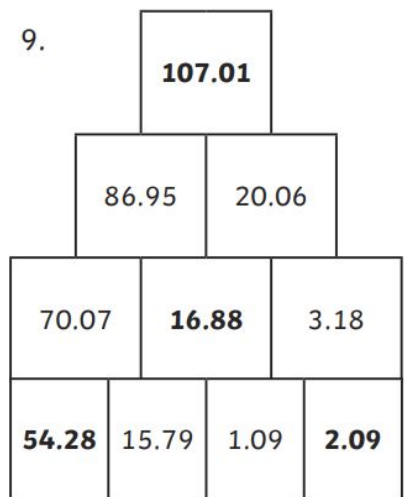
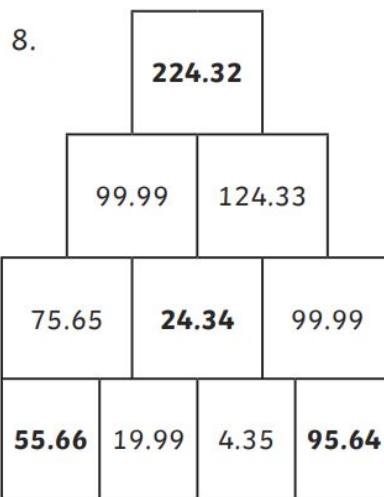
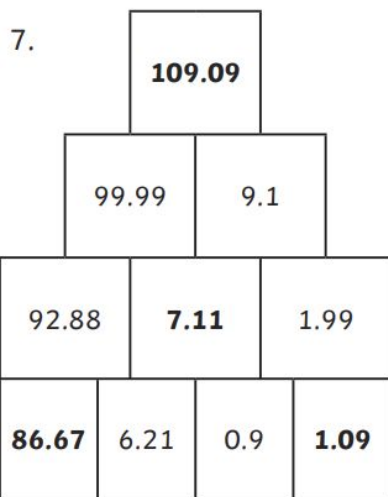
40% of 15	6	A
10% of 110	11	P
40% of 5	2	R
75% of 16	12	I
50% of 38	19	L

75% of 12	9	M
75% of 8	6	A
20% of 115	23	Y.

YEAR 6 HOMEWORK - MATHS CHALLENGE

EXTENSION: Decimal addition & subtraction

Each block totals the block above them. Use addition and subtractions to complete the missing steps.



YEAR 6 HOMEWORK

ANSWERS – PACK 5

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WRITING
on the following pages.

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YEAR 6 HOMEWORK - SPELLING

line
fine
five
dive
live
like
lake
tape
cape
cake

WORD LADDER

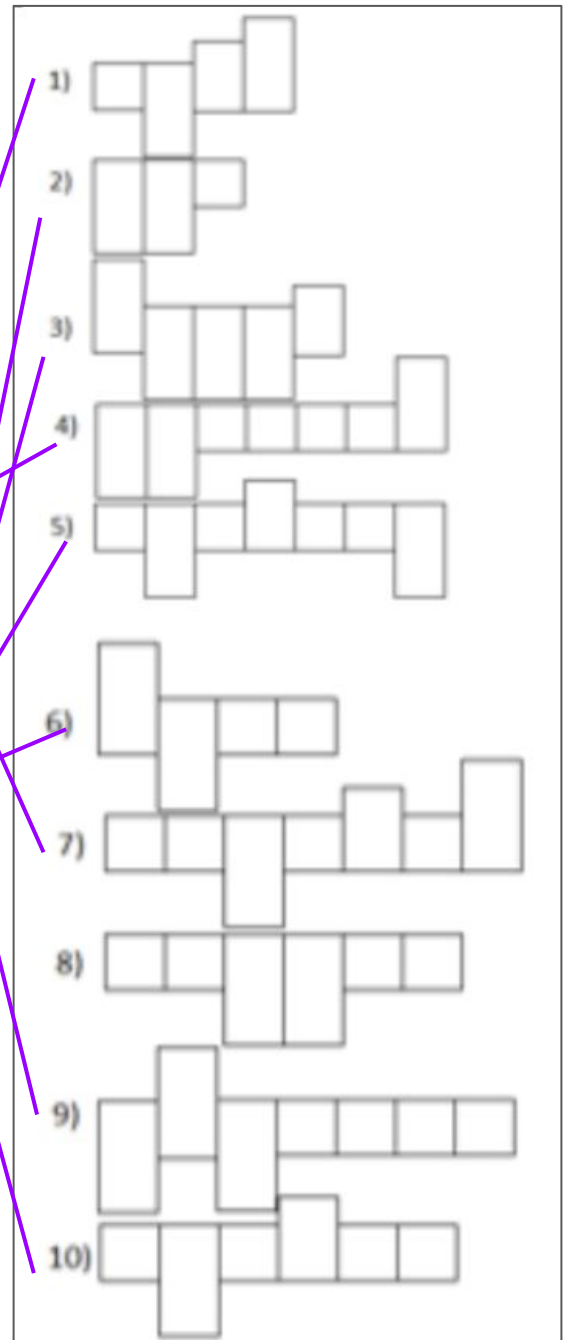
See if you can get
from the top
of the ladder to the
bottom by
changing only one
letter at a time
to make a new word.

YEAR 6 HOMEWORK - SPELLING

Apply: Spelling rules

- 1) Match the i sound spelt y word to its spelling shape:

physics
crystal
system
pyramid
myth
hymn
mystery
oxygen
Egypt
gym



YEAR 6 HOMEWORK - Writing

Word Class	Colour	Word Class	Colour
nouns	pink	proper nouns	orange
verbs	green	prepositions	purple
adjectives	blue	pronouns	dark green
adverbs	yellow	conjunctions	grey

Ever since Mr Rivers told me that I'd got the lead part in our school play, Robin Hood: Superstar!, I'd dreamed about opening night. Whenever I was stuck on a tricky maths question or drifting off in assembly, my mind would wander to the moment when I would step out on stage in front of a hundred wide-eyed, gaping-mouthed kids and parents, and belt out my first solo number:

I'm Robin Hood – superstar!
I steal from the rich to give to the poor.

But now that the moment had arrived, I had the jitters. This made it very hard to put my costume on.

"Ash?"

I pulled on my green leggings, only to realise that one leg was inside out and twisted round and very uncomfortable.

"Ash..."

I tried to tie my laces, but they ended up looking like balls of spaghetti.

"Ash!"

I tried to balance my feathered cap on my head, but somehow it fell off and rolled under the art trolley.

"Earth to Ash." A grubby hand waved in front of my face. "Are you ready? Everyone's waiting to go on."

That's when I realised that the classroom was empty.

Extract from the Twinkl Originals KS2 story 'Under the Lights'

Read through the extract above. Use this key to choose your colours then find as many words as you can which belong to each word class.

EXT: Which word class is left over? Determiners! (a, an, the)

YEAR 6 HOMEWORK - Writing

Skill: Parenthesis

Parenthesis is the addition of extra information or an afterthought in our writing.

It can be a word, phrase or clause marked with brackets, dashes or commas.

When a parenthesis is removed, the sentence still makes grammatical sense.

Complete the following sentences, by including some extra information in parenthesis using (), – or , ,

WE:

The Empire State building – which is 381m tall – is in New York.

Independent:

- 1) Smartphones – which can be used to play games –
- 2) The BMX track – which went right through the woods – was....
- 3) You'll never guess what I heard Sadie say to Katie (....)!!

Now turn to the next page, to put this skill into action!

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READING/PLACE & TIME
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YEAR 6 HOMEWORK - Reading

- 1) What is hornblowing? A tradition in Ripon where people sound horns from the Market Place.
- 2) How have hornblowers changed their tradition? Sound their horns from their own homes.
- 3) In Sheffield, how have nine careworkers gone above and beyond to support their residents? Moving into the care home to look after residents full-time..
- 4) Why are toads in West Yorkshire happy? The cross-country races have been cancelled (as in previous years, many toads were trampled in these races!)
- 5) Which tourist attraction has been helping its local food bank? How? Warwick Castle, by donating food deliveries.
- 6) In the story from Hampshire, find and copy a word meaning 'supply': Provided.
- 7) How did the driver of the van in Poole feel? Embarrassed.
- 8) Which type of animals escaped from a zoo in Ceredigion? African antelopes.
- 9) Do you think the zoo should shut?
Yes – animals previously escaped, council issued warnings to close
No – provides a safe home to many animals.

YEAR 6 HOMEWORK - Reading

WRINKLES AND WHISKERS



HAVE you heard of the sphynx cat? It's an unusual breed of cat that doesn't have hair – and one of them is becoming an internet sensation.

Xherdan is particularly wrinkly and, like the famous Grumpy Cat, has an expression that makes him look like he's not in the best mood. But his owner Sandra Filippi says that's just the way he looks and he is actually a real sweetie who likes playing and cuddles.

Xherdan has an Instagram account that is building a loyal army of fans. At the time of writing, more than 30,000 people are following him, with more than 7,000 of those joining in the last month alone.



- 1) They do not have any hair.
- 2) He is particularly wrinkly and has an expression that makes him look grumpy!
- 3) 'A real sweetie [who likes playing and cuddles].'
- 4) 7,000 followers in the last month.

YEAR 6 HOMEWORK - Reading

1. How many presidents have been left-handed?
Accept the answer 'eight' only.
2. How might people have reacted to President Jefferson's pets? Why?
Accept the answers shocked, surprised or scared providing that an explanation is given, e.g. 'Shocked because people do not usually have a bear as a pet.'
3. What were the heights of the tallest and shortest US presidents?
**Accept: Tallest – 193cm or 1.93m;
Shortest – 163cm or 1.63m**
4. Which word from the text means the same as 'didn't allow'?
Accept the answer 'banned' only.

YEAR 6 HOMEWORK - Reading

Poetry: 'Hide and Seek'

ANSWERS

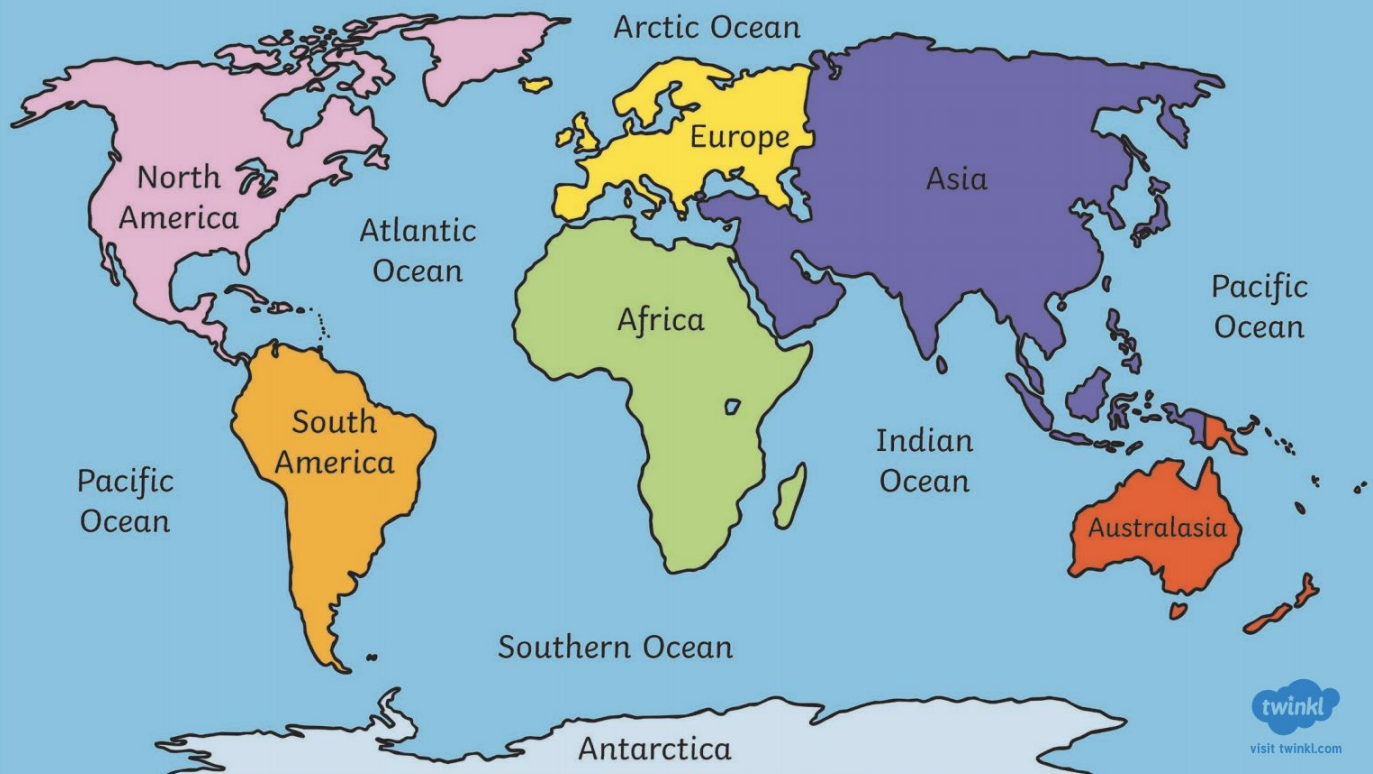
1. Two from the following words: trembling, shaking, fear and doubt.
2. A simile.
3. Two of the following: A scuffle, a squeak or a rustle of leaves.
- 3a. Children should recognise that the boys were out playing in the woods in the dark. They could suggest that Finley thought the noises were any number of wildlife in the area such as: a mouse, a fox, a rabbit etc... They could also mention that Finley was afraid of the dark, so he may have thought that the noise was a ghost. Children may also suggest that Finley knows it's one of the boys and he's scared that they might jump out on him.
4. Children could support their answer by quoting any of the following:
 - Jerome called Finley 'Finfin' suggesting a friendly nickname
 - Finley thinks that boys have left them, finishing later than before – this suggests that the boys have played hide-and-seek together before.
 - 'We'd never leave you stranded in the woods' – shows a caring side to the others.
5. wariness.
6. Events in the following order:
 - 1) Finley looks for hiders alone, 2) Finley hears noises, 3) Jerome jumps out, 4) Finley and Jerome head for home, 5) All boys walk home.

YEAR 6 HOMEWORK - Place & Time

Continents and oceans of the world

Correctly label the five major oceans and the seven continents around the world.

Continents and Oceans



YEAR 6 HOMEWORK - Place & Time

Knowledge: Human and physical geography

A human feature is something that is man-made, for example a monument like the Statue of Liberty or the Empire State Building. A physical feature is a natural landmark, such as the Grand Canyon.

Hampton vs Hampton!

Research the city of Hampton, a city in the U.S state of Virginia! Then, fill in the table below to compare it with our very own Hampton here in Peterborough!

<i>Geographical features</i>	<i>Hampton, Virginia</i>	<i>Hampton, Peterborough</i>
<i>Population</i>	137,438 people	15,129
<i>Physical features</i>	Buckroe beach, Old Point Bank, Strawberry banks,	Hampton nature reserve
<i>Human features</i>	Fort Monroe, Hampton Coliseum, NASA Research centre	Serpentine Green shopping centre,