

## YEAR 6 HOMEWORK

### ANSWERS – PACK 7

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  
[sfogarty-slack@hvp.org.uk](mailto:sfogarty-slack@hvp.org.uk)

## YEAR 6 HOMEWORK - ARITHMETIC

### Fluent in Five

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

#### Set A

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

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

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

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

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

#### Set B

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

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

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

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

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

## YEAR 6 HOMEWORK - ARITHMETIC

### Fluent in Five

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

#### Set C

$$A. \frac{2}{9} + \frac{1}{3} =$$

$$B. 3 \times 0 \times 9 =$$

$$C. 76.4 - 16.53 =$$

$$D. 76.39 - 13.2 =$$

$$E. 8,473 + 12,987 =$$

#### Set D

$$A. 87 \div 100 =$$

$$B. 5 \times 6 \times 5 =$$

$$C. 86.49 - 17.9 =$$

$$D. \frac{1}{5} + \frac{4}{15} =$$

$$E. 3,842 \div 5 =$$

## YEAR 6 HOMEWORK - ARITHMETIC

### Fluent in Five

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

#### Set E

$$A. 800 - 290 = 510 \text{ (M)}$$

$$B. 437 \times 5 = 2,185 \text{ (W)}$$

$$C. 6.394 - 2.13 = 4.264 \text{ (M)}$$

$$D. \frac{2}{7} + \frac{3}{14} = \frac{7}{14} \text{ or } \frac{1}{2} \text{ (M)}$$

$$E. 87,832 - 12,839 = 74,993 \text{ (W)}$$

## YEAR 6 HOMEWORK - SKILL RECAP

Answer each calculation fully, retrieving the skill or method needed from previous home learning packs.

1.  $65 \times 87 =$

1m

2.  $15 \times 89 =$




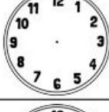




1m

3.  $11 \times 65 =$

1m

4.  $21 \times 29 =$

1m

Time in Words	24 Hour Clock	12 Hour Clock	Analogue
seven o'clock in the evening	19:00	7:00p.m.	
		11:00a.m.	
	14:15		
		8:20p.m.	
midday			
		6:40p.m.	
midnight			
seven minutes to eight at night			

1	7	5	6	2	

1	7	3	9	2	3

1	6	4	2	1	

2	1	4	5	2	6

## YEAR 6 HOMEWORK - REASONING

**Q1**

This is a weather report from the radio:

"The temperature in Dundee will average  $3^{\circ}\text{C}$ . The temperature in Glasgow will be  $5^{\circ}\text{C}$  lower than Dundee. The temperature in London will be  $8^{\circ}\text{C}$  higher than Glasgow."

**a**

What will the temperature be in Glasgow today?

$-2^{\circ}\text{C}$

**b**

What will the temperature be in London today?

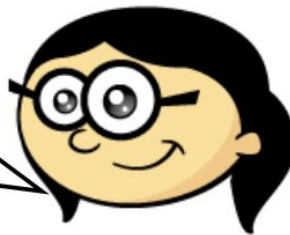
$6^{\circ}\text{C}$

## YEAR 6 HOMEWORK - REASONING

2

Annie and Ron each think of a number.

I'm thinking of the number 6



The product of their numbers is 762

Work out Ron's number.

Ron's number is 127.

$$127 \times 6 = 762$$

3

Class 6 gets through  $\frac{3}{4}$  of a packet of glue sticks per table each year.

There are six tables in the class.

How many boxes of glue sticks does the class get through altogether?

Give your answer as a mixed number.

4	1
	2

## YEAR 6 HOMEWORK - REASONING

Answer each calculation fully, showing all workings.

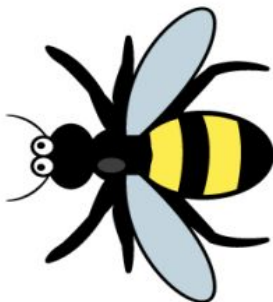
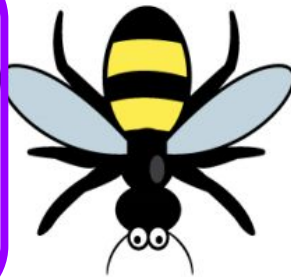
4

This bee makes a  $720^\circ$  turn.



*$720^\circ$  is  
equivalent to  
TWO full turns.*

Which way is the bee now facing?





## YEAR 6 HOMEWORK - REASONING

5 Circle the fractions below that are **not** equivalent to  $\frac{6}{7}$ .

$$\frac{18}{21}$$

$$\frac{22}{28}$$

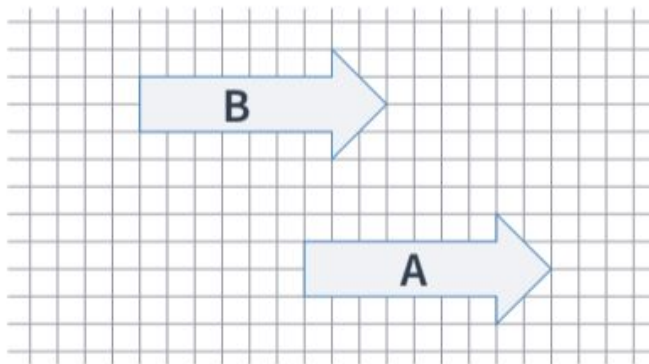
$$\frac{60}{70}$$

$$\frac{42}{35}$$

$$\frac{7}{14}$$

$$\frac{72}{84}$$

6 These two arrows are identical.



Complete the boxes to describe the translation of arrow A to arrow B.

The arrow has moved 6 squares

up and 6 squares to the left.

## YEAR 6 HOMEWORK - MATHS CHALLENGE

Work out the value of each letter.

Q	N	Q	20.6
Q	P	P	15.3
P	Q	P	15.3
21.6	14.3	15.3	

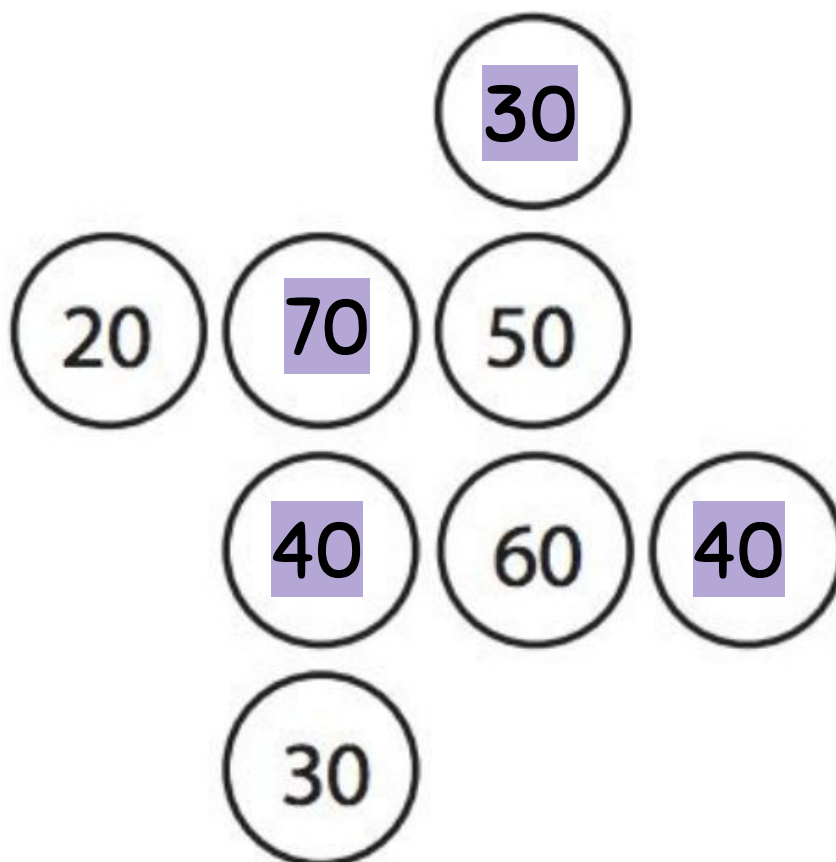
$$N = 2$$

$$P = 3$$

$$Q = 9.3$$

## YEAR 6 HOMEWORK - MATHS CHALLENGE

Complete the diagram below  
so that each three numbers  
in the rows and column add  
up to 140



## YEAR 6 HOMEWORK - MATHS CHALLENGE

### Sunscreen Statistics

**National Sun Awareness Week**  
4th - 10th May 2020

National Sun Awareness Week is part of the British Association of Dermatologists' annual campaign to raise awareness of skin cancer. Skin cancer can make you really ill, and can even kill. This is why you should always wear sunscreen when it's very sunny!

1. After applying sunscreen, you should wait 20 minutes before going outside. How many seconds is this?
2. Most sunscreens don't go out of date for approximately 2 years. How many months is this?
3. Waterproof sunscreens lose some of their effectiveness after 40 minutes in the water. What fraction of an hour is this?
4. 80% of people don't apply sunscreen before going outside. In an office with 60 workers, how many would not apply sunscreen before going outside?



#### Brainteaser!

A sunscreen's Sun Protection Factor (SPF) number refers to the factor by which it enhances a person's natural sun protection. If someone normally burns in 20 minutes, then a sunscreen with an SPF of 15 would protect them for 300 minutes ( $SPF\ 15 \times 20\text{ minutes} = 300\text{ minutes}$ ).

If a person normally burns in 15 minutes, how long would a sunscreen with an SPF of 30 protect them for? Give your answer in hours and minutes.

1.  $20 \times 60 = 1200$  seconds
2.  $2 \times 12 = 24$  months
3.  $\frac{40}{60} = \frac{2}{3}$  of an hour
4.  $80\% \text{ of } 60 = 48$  people
5.  $15 \times 30 = 450$  minutes = 7 hours 30 minutes

## YEAR 6 HOMEWORK

### ANSWERS – PACK 7

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**WRITING**  
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## YEAR 6 HOMEWORK - Writing

### Spelling challenge!

Write the correct spelling of the circled word in the box:

The foregn exchange student loved her new school.

Andrew loved reading books espeshally before bedtime.

Mum sinserly apologised for being late.

"It's lovely to meet you," whispered the boy with an orkword smile.

Grandpa cooked a delicious vegtabul soup for dinner.

foreign

especially

sincerely

awkward

vegetable

Which word is spelt incorrectly? Find and correct it!:

How could Sarah perswad her mum to stay out later?

The school trip was to an anshient temple.

Mohammad really wanted to win the compitishion.

Loki, the dog, hated thunder and litening.

There was a worrying sound coming from the vehcle.

It won't be nesesary.

The tempracher in the classroom was increasing

persuade

ancient

competition

lightning

vehicle

necessary

temperature

## YEAR 6 HOMEWORK - Writing

### Word level challenge

Use each of these words **once** to complete the sentences.

separate  
excellent  
enormous  
successful  
through

weighs  
absolutely  
surgeon  
suddenly  
excited

1. Zak's ambition was to be a SURGEON.
2. SUDDENLY, the rain stopped and the sun burst through.
3. They were all so EXCITED about going on holiday.
4. Aaron smashed the muddy ball THROUGH the classroom window.
5. The lesson was about trying to SEPARATE solids from liquids.
6. Do you think the African elephant WEIGHS more than the Asian?
7. Year 6 were ABSOLUTELY thrilled to hear their teacher singing again.
8. Sophie was an EXCELLENT captain of the school quidditch team.
9. Sam believed he was SUCCESSFUL because of all his hard work.
10. Tali was thrilled to receive an ENORMOUS box of frogs.

## YEAR 6 HOMEWORK - Writing

### Skill: Paragraphing

Frogs are amphibians, which mean that they can live both on land and in the water. They are cold-blooded which means that their bodies are the same temperature as the air. When they get cold, they need to lie in the sun to warm up and when they get too warm, they need to go into the water or find a shady place to cool down. // Frogs are found all over the world. They are found in every climate and on all continents except Antarctica. They are often found near any source of fresh water but they prefer water which does not move very quickly. // Smaller frogs eat flies and insects, especially crickets. Larger frogs can eat mice! Frogs do not need to drink because they absorb water through their skin.





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### ANSWERS – PACK 7

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## YEAR 6 HOMEWORK - Reading

### Questions from 'The Railway Children' extract:

**1. Children may describe the house in relation to the text as describe aspects such as: 'red-brick-fronted villa', 'coloured glass on the front door', 'tiled passage', 'bathroom with hot and cold water', 'electric bells', 'french windows' and 'white'.**

**2. Roberta**

**3. Children may comment that their mother was fun, creative and loved her children. She was 'always there' and 'ready to play'. Children may also comment that their mother 'read to them', 'write stories for them' and made up 'funny pieces of poetry' for their birthdays and special occasions.**

**They may suggest that the parents were hard working as they were described as 'lucky' to have lots of nice things.**

**They may describe their father as 'never cross' and 'always ready for a game'.**

**4. Unjust**

## YEAR 6 HOMEWORK - Reading

### Questions from 'Charge of the Light Brigade' poem:

1. Order these events in chronological order, one has been done for you.

The brigade rode back but some men had been killed - 4

The soldiers all followed the order and rode forward - 2

The order was given to charge forward - 1

The enemy were waiting and shot at the soldiers - 3

2. How many soldiers 'rode' in verse I? **600/ six hundred**

3. *Half a league, half a league / Half a league onward.*

These lines use repetition of a phrase for effect.

Find and copy two more phrases that are repeated in verse I:

- 1) **The valley of death**
- 2) **Rode the six hundred.**

4. Look at verse II.

Find and copy a phrase which suggests a mistake has been made.

**Someone has blundered.**

5. Which word is used to rhyme with 'brigade'? **Dismayed.**

## YEAR 6 HOMEWORK - Reading

<p>6. Look at these lines: 'Boldly they rode and well, / Into the jaws of Death' What do you think is meant by this?</p>	
<p>The soldiers were brave and rode well, even though they were likely to be killed.</p> <p>Riding into the jaws of death tells us that the brigade were doomed but they still showed courage.</p>	<p>Up to 2</p>

7. Look at verse VI.

Find and copy a word which suggests that the poet thinks we should admire the soldiers and regard them with great respect: **honour**

8. Look at these lines:

*Cannon to the right of them.  
Cannon to the left of them,  
Cannon behind them,  
Volleyed and thundered*

Which of these statements best summarises the situation being described?  
Tick one.

The soldiers were surrounded by enemy cannons.

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## YEAR 6 HOMEWORK - Reading

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1. Which state is the Grand Canyon in?

**Arizona**

2. Why won't Hank have a rope long enough to help?

**Answers will vary. Possible answer: It would be impossible to carry a rope long enough to reach the bottom of the canyon.**

3. What might Hank tell the tourists about next?

**Answers will vary.**

4. Summarize this passage in one sentence.

**Answers will vary. Possible answer: The Grand Canyon is a huge Natural Wonder people like to visit.**

## YEAR 6 HOMEWORK - Place & Time

### North America: retrieval

Answer these questions on our learning of North America so far:

1. What is the population of North America? 579 million
2. Which is the largest country within North America? Canada
3. Which is the largest city within North America? Mexico City
4. Name one ocean which surrounds North America. Pacific Ocean, Atlantic Ocean, Gulf of Mexico, Arctic Ocean, Caribbean Sea
5. Which island in North America is made up of volcanoes? Hawaii
6. Name 3 North American landmarks. Washington monument, Statue of Liberty, Empire State Building, The White House, The Pentagon etc.
7. Name the five Great Lakes of North America. Lake Ontario, Lake Erie, Lake Superior, Lake Michigan, Lake Huron
8. List 3 of the largest rivers which run through North America. Mississippi, Rio Grande, Missouri, Colorado, Yukon, Red river