

Friday 1st May

Dear Year 6

We hope you and your families are keeping well and have had a good week.

Here are the suggested activities for this week for you to follow and complete.

Please also remember to take time to relax, exercise and be kind to yourselves.

Take care and keep smiling,

Mrs Graham and Mrs North

Reading

As always, you should be aiming to read for at least 20 minutes everyday. Find some time today to sit quietly and read.

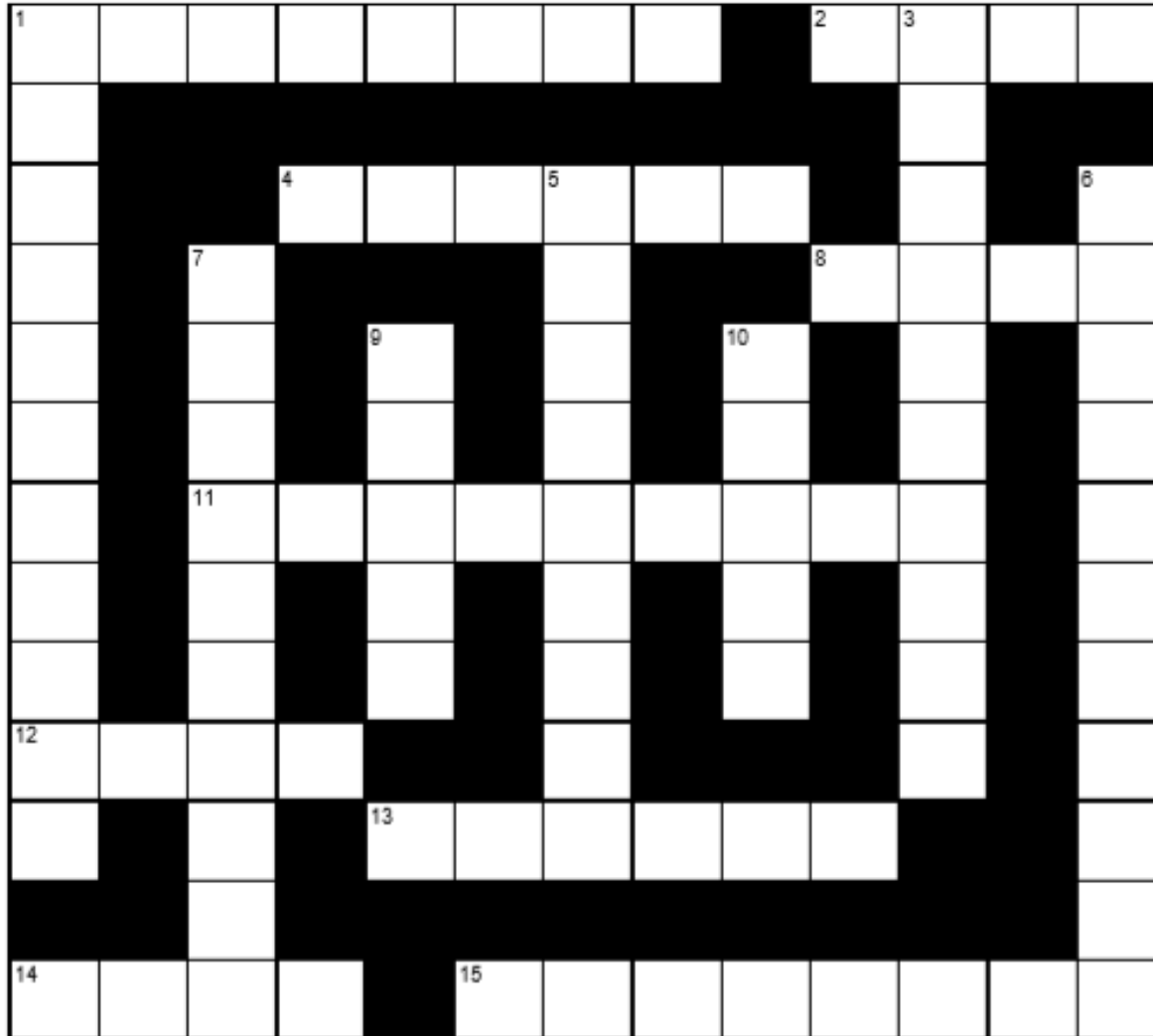
Remember you can now take Accelerated Reader quizzes from home by using this link [Howley Grange Renaissance at home](#) and logging on as usual using your username and password.

To check that the book you are reading has a quiz, you can check it using on [Accelerated Reader Bookfinder](#). It's okay to read books which haven't got a quiz - just keep a record of what you have read.

Keep reading and exploring new worlds and adventures!

English Activity 5 - spellings

YEAR 5-6 CROSSWORD USING WORD LIST FROM NATIONAL CURRICULUM 2014 Crossword 1



CLUES ACROSS

- 1 Done with care & attention to detail
- 2 A clock or watch will tell you this
- 4 Annoy, pester
- 8 Solid and secure
- 11 Advise, suggest
- 12 Thick twine
- 13 Beat, tempo
- 14 Lose colour
- 15 Burial ground

CLUES DOWN

- 1 Measurement of heat or coldness
- 3 Single person or thing
- 5 Escort, go along with
- 6 Without delay
- 7 Communicate, keep in touch
- 9 Happen, take place
- 10 Stand and wait in a line

Maths Activity 5a - ten in ten 😊

1) $5/7$ of 42 =

2) $5/8 - 2/8 =$

3) 1210 divided by 11 =

4) $0.5 \times 564 =$

5) $12 - 5.04 =$

6) $0.823 \times 100 =$

7) $3/8 + 2/6 =$

8) 1% of 900 =

9) $527 \times 48 =$

10) $6/9 \times 5/12 =$

You know the rule!

Ten minutes to answer ten questions 😊

Maths Activity 5b - Short Division

We have included a Learning Reminder that will help you with answering today's questions.

Don't forget that you can also use your Maths revision book to help you.

Learning Reminders

Short division in problems

Find $143 \div 8$

Step 1

How many 8s in 1?
None, so look at the next
digit too....

8 $\overline{)14^63}$

Step 2

How many 8s in 14...

17 r7

Step 3

...1, and 6 left over.
We write 1 in the
10s column as we
are dividing the 10s,
then 6 tens in front
of the 1s digit.

Step 5

7 remainder 7

Step 4

How many 8s in 63?

Short division in problems

Find $1248 \div 5$

$$\begin{array}{r} 249 \text{ r } 3 \\ 5 \overline{) 1248} \end{array}$$

Step 1

How many 5s in 1?
None, so how many 5s in 12?
[2 remainder 2]

Step 2

How many 5s in 24?
[4 rem. 4]

Step 3

How many 5s in 48?
[9 r 3]

The exact answer is $249\frac{3}{5}$

Short division in problems

1. Sarah is taking free-range chicks to sell at the farmers' market. She can put 12 chicks in each cage. She has 160 chicks. How many cages does she need to take all the chicks?

Find $160 \div 12 = 13 \text{ r } 4$

= 13 full cages, with 4 chicks left over. So, she'll need 14 cages to carry all the chicks.

2. She's also taking eggs. She has 257. How many full boxes of six eggs can she take?

Find $257 \div 6 = 42 \text{ r } 5$

= 42 full boxes, with 5 eggs left over. So, she'll be able to take 42 full boxes.

3. A hotel chef needs 78 eggs to make desserts for this evening. How many boxes of 12 is this?

Find $78 \div 12 = 6 \text{ r } 6$

= 6 full boxes, with 6 eggs left over. So, this is 6 full boxes.

4. Six children are sharing a box of 20 fish fingers. How many can they have each?

Find $20 \div 6 = 3 \text{ r } 2$

= 3 fish fingers each with 2 left over. They could share these, to have $3\frac{2}{6}$ ($3\frac{1}{3}$) each.

Maths Activity 5b - Short Division

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Short division practice

Find the exact answer to each division, writing your answer as a decimal.

1. $937 \div 4$

2. $754 \div 4$

3. $342 \div 4$

4. $235 \div 4$

5. $631 \div 5$

6. $727 \div 5$

7. $364 \div 5$

8. $128 \div 5$

Challenge

Arrange the digits 2, 3, 4 and 5 to give a division of this form:

$$\square\square\square \div \square$$

The answer must include the fraction $\frac{1}{2}$ or decimal part 0.5. Find at least two ways of doing this.

Maths Activity 5b - Short Division

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Division word problems

1. The cafe have 51 sausages left. If they need 4 sausages per portion, how many portions can they serve?
2. The cafe has served 70 slices of chocolate cake today. If each whole cake was cut into 6 slices, how many cakes did they cut up?
3. Exactly how many weeks are in 31 days? Write a fraction as part of your answer.
4. 80 are travelling to an athletics event. Each minibus will take 12 athletes. How many minibuses are needed?
5. There are 72 children in Upper KS2. There are 9 people in a rounders' team. If all children wanted to play, how many rounders teams could be made? How many reserves would there be?
6. Lucy is walking 62 miles over 4 days. If she walks the same distance each day, how far will she walk each day?
7. A group of 5 friends go out for a celebration meal. The bill comes to £61. How much does the meal cost per person?

Maths Activity 5b - Short Division

Short division practice

Find the exact answer to each division, writing your answer as a decimal.

1. $9237 \div 4$

2. $5754 \div 4$

3. $6235 \div 4$

4. $8356 \div 5$

5. $7782 \div 5$

6. $3484 \div 5$

7. $4577 \div 8$

8. $9651 \div 8$

9. $9734 \div 8$

Challenge

Arrange the digits 2, 3, 4 and 5 to give a division of this form:

$$\square\square\square \div \square$$

The answer must include the fraction $\frac{1}{2}$ or decimal part 0.5. How many ways of doing this are there?
Can you be certain you have found them all?

Maths Activity 5b - Short Division

Division word problems

1. The cafe have 195 sausages left. If they need 4 sausages per portion, how many portions can they serve?
2. The cafe has served 85 slices of chocolate cake today. If each whole cake was cut into 6 slices, how many cakes did they cut up?
3. Exactly how many weeks are in 365 days? Write a fraction as part of your answer.
4. 160 are travelling to an athletics event. Each minibus will take 12 athletes. How many minibuses are needed?
5. There are 113 children in Upper KS2. There are 9 people in a rounders' team. If all children wanted to play, how many rounders teams could be made? How many reserves would there be?
6. Lucy is walking 186 miles over 8 days. If she walks the same distance each day, how far will she walk each day?
7. A group of 5 friends go out for a celebration meal. The bill comes to £82. How much does the meal cost per person?

Activity 5c - Challenge

Check your understanding *Questions*

Divide 3666 by 3, 4, 5, 6 and 8 and write exact answers with a fraction part as necessary.

Write a division of a 3-digit number by 6 where the answer contains the fraction $\frac{1}{6}$.

Write a similar division where the answer contains the fraction $\frac{5}{6}$.

A 452cm length of string is divided into 8 equal sections, how long will each section be?

Finishing off time

Use this time now to complete any unfinished work from this week.

Answers - 1/5/20

English Activity 5 - spellings

YEAR 5-6 CROSSWORD USING WORD LIST FROM NATIONAL CURRICULUM 2014 Crossword 1

¹ T	H	O	R	O	U	G	H		² T	³ I	M	E	
E										N			
M			⁴ H	A	R	⁵ A	S	S		D		⁶ I	
P		⁷ C				C			⁸ F	I	R	M	
E		O		⁹ O		C		¹⁰ Q		V		M	
R		R		C		O		U		I		E	
A		¹¹ R	E	C	O	M	M	E	N	D		D	
T		E		U		P		U		U		I	
U		S		R		A		E		A		A	
¹² R	O	P	E			N				L		T	
E		O		¹³ R	H	Y	T	H	M			E	
		N										L	
¹⁴ F	A	D	E			¹⁵ C	E	M	E	T	E	R	Y

Maths Activity 5a - ten in ten 😊

- 1) 30
- 2) $\frac{3}{8}$
- 3) 110
- 4) 282
- 5) 6.96
- 6) 82.3
- 7) $\frac{34}{48}$ or $\frac{17}{24}$
- 8) 9
- 9) 25296
- 10) $\frac{30}{108}$ or $\frac{10}{36}$ or $\frac{5}{18}$

Activity 5b ** and ***

Practice Sheets Answers

Short division practice (mild)

1. $937 \div 4 = 234.25$ 2. $754 \div 4 = 188.5$ 3. $342 \div 4 = 85.5$ 4. $235 \div 4 = 58.75$
5. $631 \div 5 = 126.2$ 6. $727 \div 5 = 145.4$ 7. $364 \div 5 = 72.8$ 8. $128 \div 5 = 25.6$

Challenge

There are four possibilities: $345 \div 2$, $435 \div 2$, $453 \div 2$, $543 \div 2$.
None of the possibilities where 4 is the divisor give an answer with a remainder of 2.

Division word problems (mild)

1. $51 \div 4 = 12 \text{ r}3$ They can serve 12 portions
2. $70 \div 6 = 11 \text{ r}4$ They cut up 12 cakes
3. $31 \div 7 = 4 \frac{3}{7}$ There are $4 \frac{3}{7}$ weeks in 31 days
4. $80 \div 12 = 6 \text{ r}8$ 7 minibuses are needed
5. $72 \div 9 = 8$ 8 rounders' teams could be made
There would be no reserves
6. $62 \div 4 = 15 \frac{1}{2}$ Lucy will walk $15 \frac{1}{2}$ miles each day
7. $\pounds 61 \div 5 = \pounds 12.20$ The meal costs $\pounds 12.20$ per person

Short division practice (hot)

1. $9237 \div 4 = 2309.25$ 2. $5754 \div 4 = 1438.5$ 3. $6235 \div 4 = 1558.75$
4. $8356 \div 5 = 1671.2$ 5. $7782 \div 5 = 1556.4$ 6. $3484 \div 5 = 696.8$
7. $4577 \div 8 = 572.125$ 8. $9651 \div 8 = 1206.375$ 9. $9734 \div 8 = 1216.75$

Challenge

There are four possibilities: $345 \div 2$, $435 \div 2$, $453 \div 2$, $543 \div 2$.
None of the possibilities where 4 is the divisor give an answer with a remainder of 2.

Division word problems (hot)

1. $195 \div 4 = 48 \text{ r}3$ They can serve 48 portions
2. $85 \div 6 = 14 \text{ r}1$ They cut up 15 cakes
3. $365 \div 7 = 52 \frac{1}{7}$ There are $52 \frac{1}{7}$ weeks in 365 days
4. $160 \div 12 = 13 \text{ r}4$ 14 minibuses are needed
5. $113 \div 9 = 12 \text{ r}5$ 12 rounders' teams could be made
There would be 5 reserves
6. $186 \div 8 = 23 \frac{1}{4}$ Lucy will walk $23 \frac{1}{4}$ miles each day
7. $\pounds 82 \div 5 = \pounds 16.40$ The meal costs $\pounds 16.40$ per person

Activity 5c - Challenge

Check your understanding

Answers

Divide 3666 by 3, 4, 5, 6 and 8 and write exact answers with a fraction part as necessary.

$$3666 \div 3 = 1222$$

$$3666 \div 4 = 916\frac{1}{2}$$

$$3666 \div 5 = 733\frac{1}{5}$$

$$3666 \div 6 = 611$$

$$3666 \div 8 = 458\frac{1}{4}$$

Can you predict which will have remainders (using knowledge of tests for divisibility) and what those remainders may/may not be.

Write a division of a 3-digit number by 6 where the answer contains the fraction $\frac{1}{6}$.

Various solutions to this... Use a calculator to check yours. Note that the number being divided will be 1 more than any multiple of 6, e.g. 643 will definitely give a remainder of 1 (and the fraction $\frac{1}{6}$).

Write a similar division where the answer contains the fraction $\frac{5}{6}$.

Various solutions to this... Use a calculator to check yours. This time the number will be 1 less than a multiple of 6, e.g. 671.

A 452cm length of string is divided into 8 equal sections, how long will each section be? 56.5cm

Did you remember to convert your answer of $56\frac{4}{8}$ / $56\frac{1}{2}$ into cm?