

Answers – Reading

Text 1 – Solitary Raptors

1. Which modern-day animal were velociraptors compared to in the article?

Komodo dragons

2. 'Therefore, they **argue** that this would have made velociraptors more like modern-day Komodo dragons - hunting alone - and less like pack animals which hunted together.'

Tick which definition is closest in meaning to the word '**argue**' in this sentence.

- fight
- disagree
- prattle
- give their view**

3. Which part of the fossil was used to help scientists learn more about what the velociraptors ate?

The teeth

4. Find one example from the article of how our current understanding of velociraptors has changed from the images of them in movies.

Accept any of the following: They are smaller; they had feathers, not scales; we now think they hunted alone and not in packs; we now think their diet changed during their lives; we now think that the adults did not help feed their young.

5. Tick which language feature is being used in this sentence. '**Who would have thought?**'

- rhetorical question**
- rhyme
- simile
- personification

6. Summarise the key information in this article using 20 words or fewer.

Accept any reasonable answer which includes the key information. e.g. Some scientists now think that velociraptors did not hunt in packs but hunted on their own.

Text 2 – A Strange Dream

- 1) This event took place in the morning because the text said that Jane was eating porridge at breakfast.
- 2) The author showed that Michael interrupted Jane by using a dash (–) at the end of what Jane said. This tells us that Jane’s speech was unfinished.
- 3) Mary Poppins was boiling milk while the children were discussing their dreams.
- 4) The children expected to have buttered toast next.

5)

a) She changes the subject to talk about breakfast.	✓
b) She turns her back on Jane and ignores her.	
c) She keeps repeating Jane's question without answering.	✓
d) She talks to Michael instead.	
e) She tells Jane that it was all a funny dream.	

- 6) She thinks she is a quiet and orderly person who knows what is what.
- 7)
- 8) Jane believed Mary Poppins because she said that it must have been a dream and not something that really happened.

Spelling Answers

1. Add 's to these **singular** nouns to show possession.

boy	cat	girl	sheep	rabbit
boy's	cat's	girl's	sheep's	rabbit's

Choose a word from above to complete each sentence.

- a) The girl's/ boy's dress was torn.
- b) The sheep's field was extremely muddy.
- c) The boy's / girl's hat got blown away in the wind.
- d) The cat's tail became trapped in the door.
- e) The rabbit's burrow was invaded by ants.

2. Underline the correct use of an apostrophe to show **singular** possession.

- a) The girl's / girls' hair was tied up in a ponytail.
- b) The horses' / horse's stable was freezing cold.
- c) The man removed the mud from the dogs' / dog's fur.

Underline the correct use of an apostrophe to show **plural** possession.

- a) The pupil's / pupils' school was closed because of the snow.
- b) The trees' / tree's branches waved in the wind.
- c) The flowers' / flower's petals were bright yellow.

3) Use apostrophes to show possession for the nouns below.

- a) (1 shop) The shop's window was broken.
- b) (4 boys) The boys' trousers were muddy from playing in the park.
- c) (1 mum) I went in my mum's new red car.

MATHS – Arithmetic Answers – Test 9

1. 400 [1]

2. 456 [1]

3. 613 [1]

4. 689 [1]

5. 136 [1]

6. 9 [1]

7. 110 [1]

8. $\frac{6}{7}$ [1]

9. 3 [1]

10. 292 [1]

11. 11 [1]

12. 72 [1]

13. 162 [1]

14. 803 [1]

15. 12 [1]

16. 337 [1]

17. 8 [1]

18. 183 [1]

19. 568 [1]

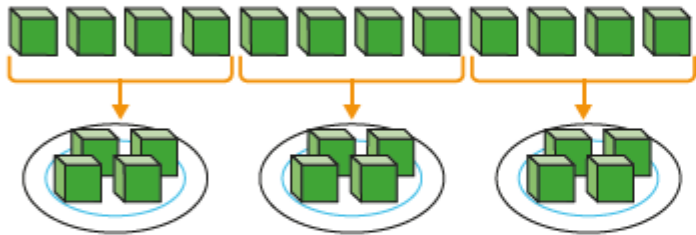
20. 30 [1]

MATHS – Lesson 1 – Answers



Divide by 3

1



Complete the sentences.

There are 12 cubes.

There are plates.

Each plate has cubes.

12 divided into equal groups is

2

Mo has 15 pencils.

He shares them equally into 3 pots.



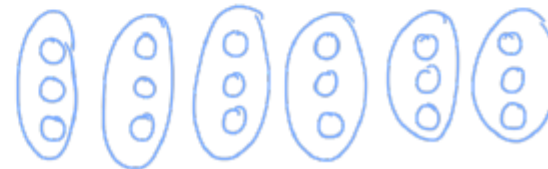
How many pencils will there be in each pot?

There will be pencils in each pot.

3

Divide 18 counters into groups of 3 counters.

Draw a picture to show what this would look like.



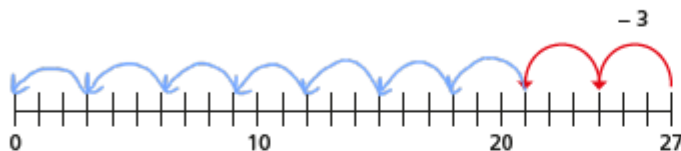
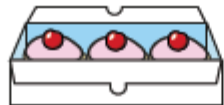
How many groups did you draw?

4 There are 27 cakes.

A box can hold 3 cakes.

How many boxes of 3 cakes can be filled?

Use the number line to help you.



9 boxes of 3 cakes can be filled.

5 Complete the bar model for the division $33 \div 3 = 11$



Is there more than one way to do this?

6 Complete the division statements for each problem.

a) Esther has 21 balloons.

She puts them into 3 party bags.

How many balloons are in each party bag?

$$21 \div 3 = 7$$

b) Nijah has 36 apples.

In each box there are 3 apples.

How many boxes are there?

$$36 \div 3 = 12$$

c) 24 children stand in groups of 3

How many groups are there?

$$24 \div 3 = 8$$

7 Numbers that follow each other when you count are called consecutive numbers.

Three consecutive numbers can form a staircase.

Here is 4, 5 and 6



When you add three consecutive numbers, the total can always be divided equally by 3

Is this statement correct?

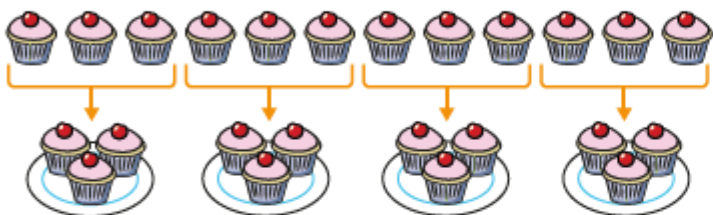
Talk about it with a partner.

MATHS – Lesson 2 – Answers

Divide by 4

White Rose Maths

1 Here are 12 cakes.



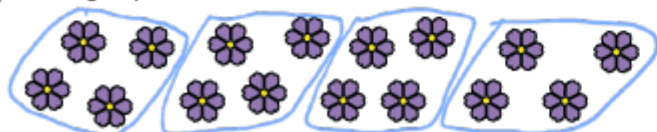
Complete the sentences.

There are plates.

Each plate has cakes.

12 shared into equal groups is

2 Circle groups of 4 flowers.



a) How many groups of 4 flowers did you make?

b) Complete the sentence.

There are groups of 4 in 16

3 Eva makes an array with 32 counters.



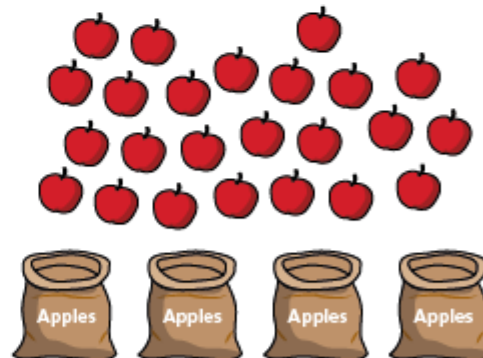
a) How many groups of 4 are in the array?

b) Use this to complete the division sentence.

$$32 \div 4 = \boxed{8}$$

4 A farmer has 24 apples.

He wants to pack the apples equally into 4 bags.

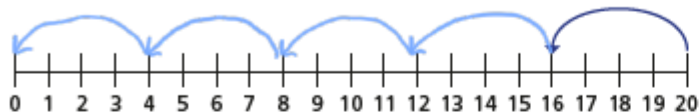


How many apples will be in each bag?

$$\boxed{24} \div \boxed{4} = \boxed{6}$$

There will be apples in each bag.

- 5 There are 20 muffins.
4 muffins fit in 1 box.
Use the number line to work out how many boxes can be filled.



5 boxes of muffins can be filled.

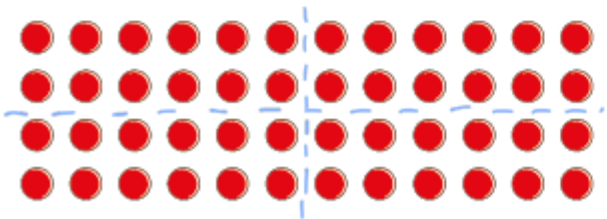
- 6 Alex is trying to divide 48 by 4



To multiply by 4, you can double the number and double again.

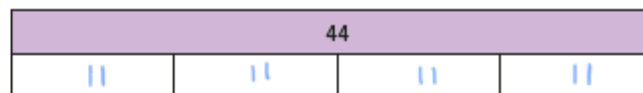
To divide a number by 4, I think you can halve the number and halve it again.

Divide the array to show that Alex's method works.



Does Alex's method always work?

- 7 Complete the bar model.



Complete the division statement to match the bar model.

$$44 \div \boxed{4} = \boxed{11}$$

- 8 Mo is working out whether numbers divide equally by both 2 and 4

Complete the table and continue the pattern.

The first one has been done for you.

Number	Divided equally by 2 is . . .	Divided equally by 4 is . . .
2	1	does not divide equally
4	2	1
6	3	does not divide equally
8	4	2
10	5	does not divide equally
12	6	3
14	7	does not divide equally
16	8	4

What do you notice?

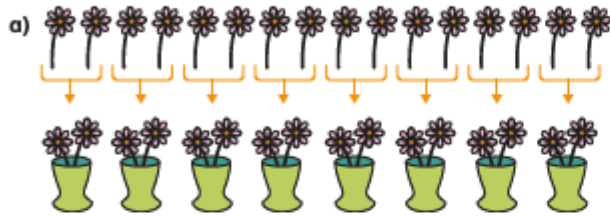
Various answers.



MATHS – Lesson 3 – Answers

Divide by 8

1 Complete the sentences.

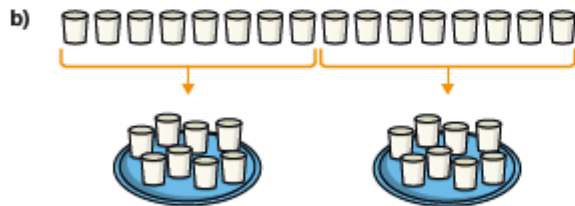


There are flowers.

There are vases.

Each vase has flowers.

16 shared into equal groups is



There are 16 glasses of milk.

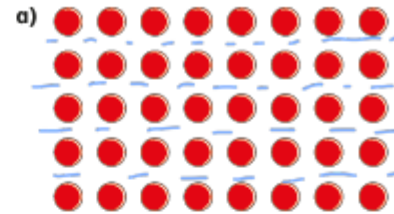
There are glasses of milk on each tray.

There are trays.

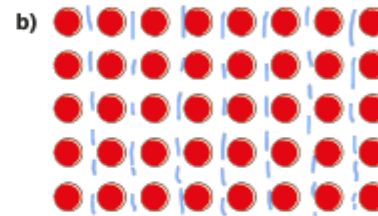
16 shared into equal groups is

2 Use the arrays to help you complete the divisions.

Draw on the arrays to show your workings.



$$40 \div 8 = \boxed{5}$$



$$40 \div 5 = \boxed{8}$$

3 32 coins are shared between 8 people.

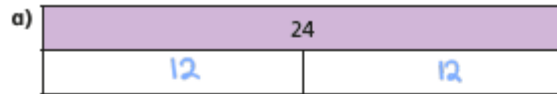
How many coins does each person get?



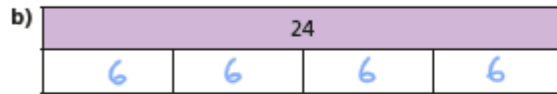
Complete the division.

$$\boxed{32} \div \boxed{8} = \boxed{4}$$

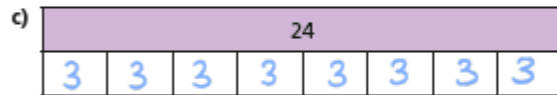
4 Complete the bar models and division statements.



$$24 \div 2 = 12$$



$$24 \div 4 = 6$$



$$24 \div 8 = 3$$

What do you notice?



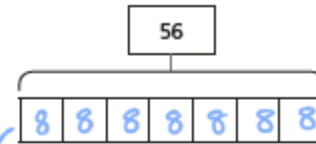
5 40 kg of potatoes are packed into 8 kg bags.

How many 8 kg bags can be filled?

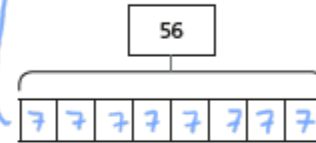
5

6 a) Match the number story to the bar model.

56 sweets are shared equally between 8 party bags.

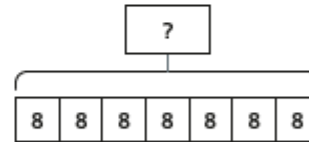


56 sweets are put into party bags. There are 8 sweets in each bag.



b) Complete the bar models.

c) Think of a number story to match this bar model.



7 Circle the numbers that divide by 8 exactly.



How did you work this out?

MATHS – Challenge Lesson – Answers

Divide 2-digits by 1-digit (1)



- 1 There are 84 pencils to be shared equally into 4 pots.



- a) Draw the pencils on the place value chart to show how they are shared.

Tens	Ones

- b) Complete the number sentences.

$$8 \text{ tens} \div 4 = 2 \text{ tens} \qquad 4 \text{ ones} \div 4 = 1 \text{ one}$$

$$84 \div 4 = 21$$

- c) How many pencils are in each pot?

21

- 2 Use a place value chart to work out the calculations.

a) $39 \div 3 = 13$

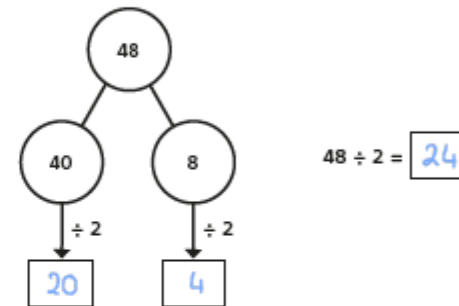
b) $68 \div 2 = 34$



- 3 Amir solves $48 \div 2$ on a place value chart.

Tens	Ones

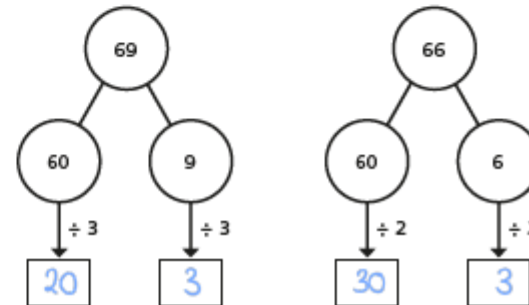
Complete the part-whole model to show what Amir has done.



- 4 Work out the divisions.

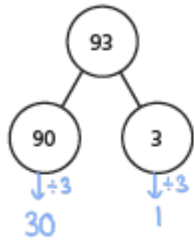
a) $69 \div 3 = 23$

b) $66 \div 2 = 33$

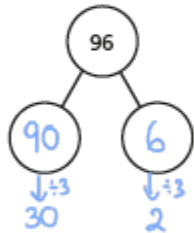


5 Work out the divisions.

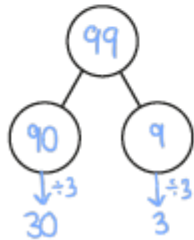
a) $93 \div 3 = \boxed{31}$



$96 \div 3 = \boxed{32}$



$99 \div 3 = \boxed{33}$



What do you notice?

b) $82 \div 2 = \boxed{41}$

$84 \div 2 = \boxed{42}$

$86 \div 2 = \boxed{43}$



6



88 can be divided equally by 2 and by 4

Do you agree with Annie? Yes

Explain why.

$88 \div 2 = 44$

$88 \div 4 = 22$

Can Annie divide 88 equally by any other 1-digit numbers?

7

Esther has 2 jars of mints.

Esther shares the mints equally between 3 bowls.

How many mints are in each bowl?



There are $\boxed{32}$ mints in each bowl.

How many different ways can you work out the answer?

Lesson 4 – Division Word problems

1) Mrs Newland was making cupcakes. She decorated each cake with 3 smarties. If she used 42 smarties to decorate the cakes, how many cakes did she make?

14 cakes

2) Toffees cost 4p each. How many toffees can you buy for 60p?

15 toffees

3) Mrs Allen buys 96 dictionaries for the school. If she shares them equally between the 8 classes in Key Stage 2, how many dictionaries will each class get?

12 dictionaries each

4) There are 54 children going on a camping trip. 3 children can fit in one tent. How many tents will be needed for the children to sleep in?

18 tents

5) Miss Brittain read a book that had 78 pages in total. If she read 6 pages a day, how many days did it take her to read the whole book?

13 days

6) There are 92 children at a sports competition. They need to get into teams of 4. How many teams will there be?

23 teams

FRIDAY MATHS

Dip and Pick card 8

We have included further steps this week to challenge and grow your brains. You can choose how far you take this challenge. Complete it in this order; **orange, blue, pink, red, yellow and finally purple**.

$$358 + 80 = 433$$

$$433 - 80 = 353$$

John has 433 books.

Matthew	Simon
50	15
51	16
52	17
53	18
...	
175	140

etc.

$$84 - 39 = 45$$

$$(84 - 40 = 44$$

$$44 + 1 = 45)$$

Daisy has 45 fewer books than Jodie.

One possible approach...

Change the Yellow Challenge so it reads:
I have 70 fewer books than John.

If I have 343 books, how many does John have?

$$84 - 39 = 45$$

Daisy has 45 fewer books than Jodie.

$$45 - 20 = 25.$$

Daisy now has 25 fewer books.

No because when you subtract a multiple of 10 (70) from a number (459) the units number will not change so you know that the answer will end in 9 units not 8 units.

FRIDAY MATHS Three money challenges

Kemi has only three coins in her purse. Which amount could she **not** have in her purse?

£1 and 20p

£1 and 12p

£1 and 9p

£1 and 4p

£1 and 15p

£1 and 25p

£1 and 21p

£1 and 9p because the lowest number of coins that will make £1 and 9p is four: £1 coin, 5p coin, 2p coins \times 2

Jen took £2.50 to a cake sale and bought some cakes. At the end of the sale she had 30p left. What items could Jen have bought?

<u>LIST OF ITEMS</u>	
Butterfly cake - 40p	Scone - 35p
Cup cake - 55p	Shortbread - £1.50
Mud cake - 80p	Jam slice - 95p
Date slice - 60p	

Jen had to buy cakes that cost a total of £2.20, which would leave her with 30p change.

For example: 2 mud cakes and 1 date slice = £2.20, or 2 scones and 1 shortbread = £2.20,

Josh and Ravi go to the cinema. They each buy one small box of popcorn. The lady at the popcorn counter says they would save 75p if they bought a large box of popcorn and shared it. What do you think? Explain your reasoning.



No, they would only save 30p. $£1.75 + 1.75 = £3.50$. $£3.50 - £3.20 = £0.30$