




The Rookeries Year 3: Home Learning Schedule

W/C 29th June	Monday	Tuesday	Wednesday	Thursday	Friday
<p style="text-align: center;">Maths</p> <p><i>Suggested timing: 45 mins per lesson</i></p> <p>This week we will be focussing upon:</p> <p style="text-align: center;">Multiplication and Division</p> <p>We have provided a 'pre-teach' maths video to further support your child in their learning. This will be incredibly useful to view before commencing the first lesson. Please click here to view this.</p>	<p>Lesson 1: Multiply and divide by 3</p> <p>Learn how to multiply and divide by 3 by clicking on the link here.</p> <p><i>You will find a video produced by white rose maths hub and two worksheets in this pack to complete – answers are provided at the end of the pack.</i></p>	<p>Lesson 2: Multiplying and dividing by 4 and 8</p> <p>Learn how to multiply and divide by 4 and 8 by clicking on the link here.</p> <p><i>This lesson includes a video produced by white rose maths hub and two worksheets attached to this pack – answers are provided at the end of the pack.</i></p> 	<p>Lesson 3: Multiply 2 digits by 1 digit</p> <p>Learn how to multiply 2 digits by 1 digit by clicking on the link here.</p> <p><i>This lesson includes a video produced by white rose maths hub and two worksheets attached to this pack – answers are provided at the end of the pack.</i></p>	<p>Lesson 4: Divide a 2-digit number by a 1-digit number</p> <p>Learn how to divide a 2-digit number by a 1-digit number by clicking on the link here.</p> <p><i>This lesson includes a video produced by white rose maths hub and two worksheets attached to this pack – answers are provided at the end of the pack.</i></p>	<p>Lesson 5: Multiplication and division problem solving</p> <p>Apply your learning and use your problem-solving skills to answer multiplication and division problems! Click on the link here to access the video.</p> <p><i>This lesson includes a video produced by white rose maths hub and two worksheets attached to this pack – answers are provided at the end of the pack.</i></p>





Remember to log in to TTRockstars each week to practise your times tables. There will also be a Friday Maths [Challenge](#)



Remember to share your learning on Class Dojo!



Take a photo of your work and upload it to the Portfolio section for your teacher to see.

<p style="text-align: center;">English</p> <p><i>Suggested timing: 45 mins per lesson</i></p> <p>This week our text type is an:</p> <p style="text-align: center;">Adventure Story</p> <p>As above, this week we have provided a 'pre-teach' English video to further support your child in their learning. Please click here to view this.</p>	<p>Lesson 1: Adventure Story: Reading Comprehension – Prediction and inference</p> <p>Explore how to use prediction and inference. Click here.</p>	<p>Lesson 2: Adventure Story: Reading Comprehension – Fact retrieval.</p> <p>Retrieve information from a story. Click here.</p>	<p>Lesson 3: Adventure Story: Identifying the features of a text.</p> <p>Learn how to identify the key aspects of a story. Click here.</p>	<p>Lesson 4: Adventure Story: GPS focus – Prepositions.</p> <p>Learn how to use prepositions effectively. Click here.</p> 	<p>Lesson 5: To write an adventure story.</p> <p>Apply your understanding from throughout the week by continuing your own adventure story. Click here.</p> 
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Weekly Spellings: vein – weigh – eight – neighbour – they – obey



Having any problems with the tasks? *Feel free to pop any questions or issues onto our class Padlet [here!](#)*



Don't forget to join us every afternoon, Monday to Friday, at 1pm click [here](#) to take part in a live discussion on Microsoft Teams about the day's learning alongside your classmates and teacher.



Maths – Lesson 1



The 3 times-table

1 Complete the multiplications.



$$\square \times \square = \square$$



$$\square \times \square = \square$$

2 Dani makes an array using counters.



Write two multiplication and two division facts represented by the array.

$$\square \times \square = \square$$

$$\square \times \square = \square$$

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

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

3 Complete the number sentences.

a) $6 \times 3 = \square$

d) $\square \div 3 = 5$

b) $3 \times \square = 27$

e) $12 \times 3 = \square$

c) $\square \div 11 = 3$

f) $\square \times 3 = 0$

4 Complete the number sentences.

a) $2 \times 3 = \square$

b) $6 = 3 \times \square$

$4 \times 3 = \square$

$12 = 3 \times \square$

$8 \times 3 = \square$

$18 = 3 \times \square$

What patterns do you notice?

5 Write $<$, $>$ or $=$ to compare the statements.

a) $33 \div 11 \bigcirc 3$

d) $6 \times 3 \bigcirc 6 \div 3$

b) $27 \bigcirc 30 \div 3$

e) $3 \times 6 \bigcirc 18 \div 3$

c) $9 \div 3 \bigcirc 3 \times 6$

f) $0 \times 3 \bigcirc 3 \div 3$

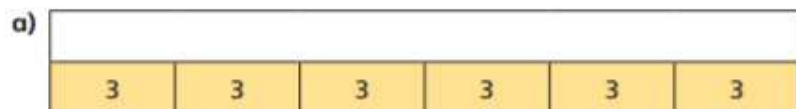


6 Colour all the numbers in the 3 times-table.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

What two patterns do you notice?

7 Work out the missing values in each bar model.



8 Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers? _____



9 a) Complete the multiplications.

Are the answers odd or even? Tick your answer.

	odd	even
$1 \times 3 = 3$	<input type="checkbox"/>	<input type="checkbox"/>
$2 \times 3 = \square$	<input type="checkbox"/>	<input type="checkbox"/>
$3 \times 3 = \square$	<input type="checkbox"/>	<input type="checkbox"/>
$\square \times 3 = 12$	<input type="checkbox"/>	<input type="checkbox"/>

b) What would the next multiplication be?

$$\square \times 3 = \square$$

c) What do you notice about the products?

d) Will the product of 11×3 be odd or even? _____

10 Use the fact that $12 \times 3 = 36$ to work out the calculations.

$$13 \times 3 = \square$$

$$3 \times 15 = \square$$

$$14 \times 3 = \square$$

$$24 \times 3 = \square$$

How did you work this out?

Did you find the answers in the same way as your partner?

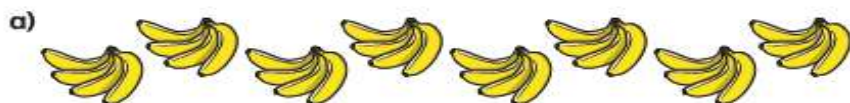


Maths - Lesson 2

The 4 times-table

White
Rose
Maths

1 Complete the multiplication.



$$\square \times \square = \square$$



$$\square \times \square = \square$$

2 Complete the number sentences.

a) $6 \times 4 = \square$

g) $24 \div 4 = \square$

b) $4 \times 3 = \square$

h) $8 \div 4 = \square$

c) $\square = 7 \times 4$

i) $0 \div 4 = \square$

d) $4 \times \square = 48$

j) $\square \div 11 = 4$

e) $0 \times 4 = \square$

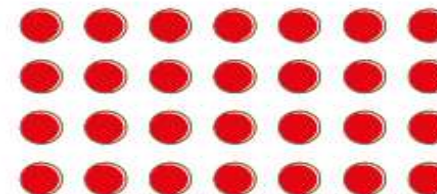
k) $\square \div 4 = 5$

f) $4 \times 9 = \square$

l) $1 \times 4 = \square$

3 What multiplication and division statements does the array represent?

Complete the statements.



$$\square \times \square = \square$$

$$\square \times \square = \square$$

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

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

4 Complete the number sentences.

a) $2 \times 4 = \square$

c) $3 \times 4 = \square$

$4 \times 4 = \square$

$3 \times 8 = \square$

$8 \times 4 = \square$

$3 \times 12 = \square$

b) $8 = 4 \times \square$

$16 = 4 \times \square$

$32 = 4 \times \square$

What patterns do you notice?





5 Write $<$, $>$ or $=$ to compare the statements.

a) $48 \div 12$ 4

d) $4 \div 4$ 4×4

b) 36 $40 \div 4$

e) 1×4 4×1

c) $16 \div 4$ 4×4

f) 4×2 $32 \div 4$

6 A paper clip is 4 cm long.



How long are 6 of these paper clips?

7 Dexter buys 10 mugs and 4 key rings.
How much money does he spend in total?



8 The pictogram shows the animals a group of children have as pets.



Complete the pictogram.

Animal	Pictogram	Number of animals
cat		
dog		28
bird		
mouse		

= 4 animals

9



Teddy

Some of the numbers in the 4 times-table are even, but not all of them.



Eva

All numbers in the 4 times-table are even.

Who is correct? _____

How do you know? Talk about it with a partner.

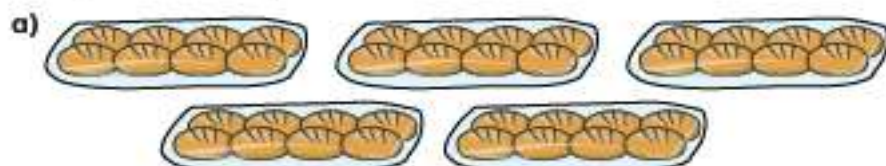


The 8 times-table

Write
Rose
Maths

1 How many are there in total?

Complete the multiplications.



$$\square \times \square = \square$$



$$\square \times \square = \square$$

2 Complete the number tracks.

a)

0	8	16	24				
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b)

96	88	80					
----	----	----	--	--	--	--	--

3 Here is an array made up of triangles.



a) What multiplication sentence can you see?

$$\square \times \square = \square$$

b) What division sentence can you see?

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

4 Complete the calculations.

Try to do the calculations in your head.

a) $6 \times 8 = \square$

e) $72 \div 8 = \square$

b) $8 \times \square = 56$

f) $\square \div 11 = 8$

c) $10 \times 8 = \square$

g) $\square \div 8 = 5$

d) $\square = 8 \times 4$

h) $8 \times 1 = \square$



5 What multiplication can you see?



6 Complete the multiplications.

a) $2 \times 8 = \square$

b) $8 = 8 \times \square$

$4 \times 8 = \square$

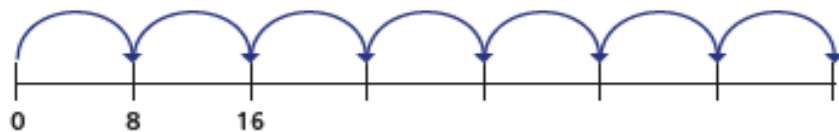
$16 = 8 \times \square$

$8 \times 8 = \square$

$32 = 8 \times \square$

What patterns do you notice?

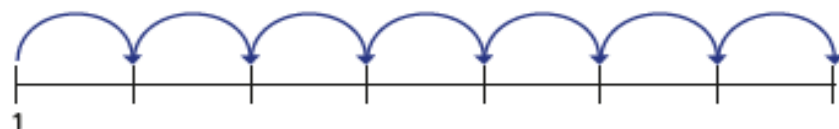
7 a) Amir draws 7 jumps of 8 on a number line.



What number does Amir end on?

Explain how you worked it out.

b) This time, Amir makes 7 jumps of 8, but starts from 1



What number does Amir end on this time?

Explain how you know.

8 Boats can be hired on a lake.

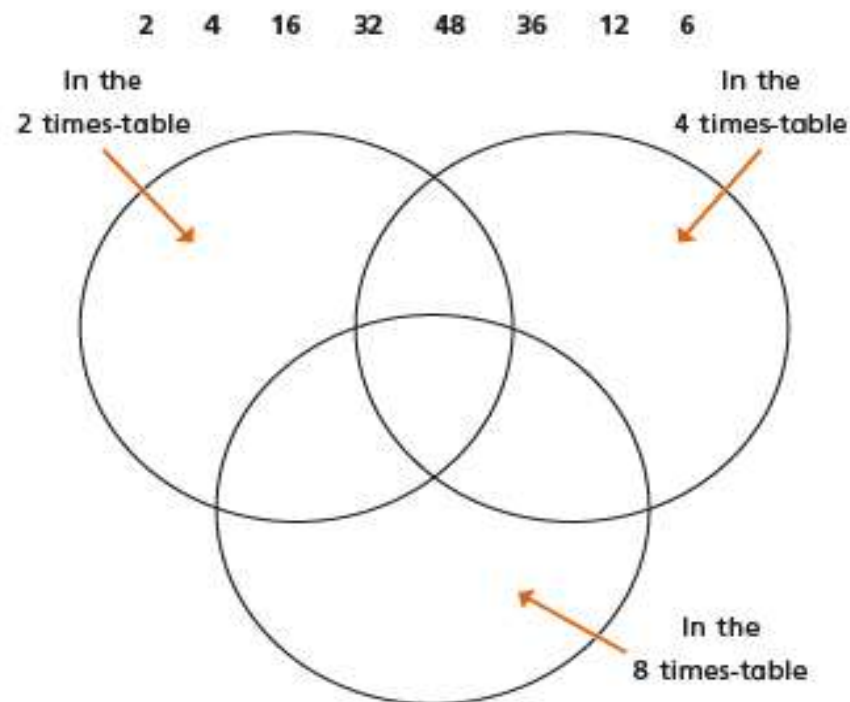
There are 5 large boats and 8 small boats on the lake.

Each boat is full.

How many people are on the lake?



9 Put the numbers into the sorting diagram.



Are any of the parts empty? Why?

Talk about it with a partner.



Maths – Lesson 3

- 1 There are 23 marbles in a jar.
There are 5 jars.



Tens	Ones

How many marbles are there in total?

$$5 \times 3 \text{ ones} = \square$$

$$5 \times 2 \text{ tens} = \square$$

$$\square + \square = \square$$

$$5 \times 23 = \square$$

There are marbles in total.

- 2 Work out 4×15

Tens	Ones

$$4 \times 5 = \square$$

$$4 \times 10 = \square$$

$$4 \times 15 = \square$$

- 3 Complete the multiplications.

a) $4 \times 24 = \square$

b) $3 \times 17 = \square$

c) $3 \times 25 = \square$

d) $34 \times 4 = \square$



6 Tommy works out 37×2

			T	O	
			3	7	
	x			2	
			6	1	4

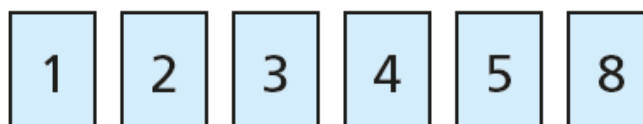
What mistake has Tommy made? Work out the correct answer.

7 Find the missing numbers.

		2	2	
	x			
		8	8	

				1
	x			
		1	2	4

8 Here are some digit cards.



a) Use the digit cards to create a multiplication and work out the answer.

$$\square \square \times \square = \square$$

b) Work with a partner to find calculations that have:

- an odd product
- an even product
- an exchange in the ones column
- an exchange in the ones and tens columns.



Maths – Lesson 4

Divide 2-digits by 1-digit (2)

White
Rose
Maths

1 Rosie has 56 pencils.

a) Draw base 10 to represent the pencils.

Rosie shares the 56 pencils equally between 4 pots.

b) Draw base 10 on the place value grid to share the pencils.

Tens	Ones

c) How many pencils are in each pot?

d) Did you have to make an exchange?



2 Eva has this money.



She wants to share the money equally between 3 people.

a) Use the place value chart to show how Eva can share the money.

Tens	Ones

b) How much money does each person get?

3 Divide 72 by 3



Tens	Ones

Use the place value counters to help you.

$72 \div 3 =$



4 Use base 10 or counters to work out the divisions.

a) $45 \div 3 = \square$

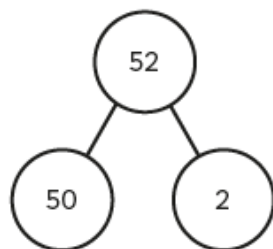
b) $57 \div 3 = \square$

c) $92 \div 4 = \square$

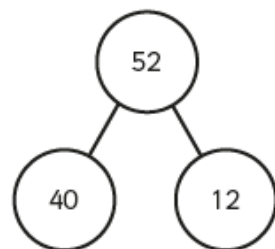
5 Rosie and Tommy are working out $52 \div 4$

They both use a part-whole model.

Rosie



Tommy



a) Whose part-whole model will help them with the division?

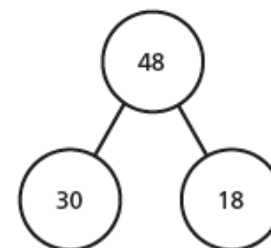
How do you know?

b) Use a part-whole model to work out $52 \div 4$



6 Use the part-whole models to complete the divisions.

a) $48 \div 3 = \square$

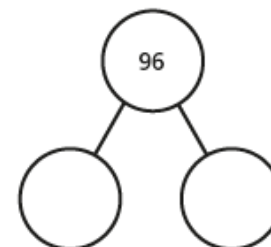


$30 \div 3 = \square$

$18 \div 3 = \square$

$48 \div 3 = \square$

b) $96 \div 4 = \square$



c) $65 \div 5 = \square$

d) $75 \div 3 = \square$

7 Here are 3 divisions.

$96 \div 8$

$96 \div 4$

$96 \div 2$

a) What is the same about the questions? What is different?

b) Complete the divisions.

$96 \div 8 = \square$

$96 \div 4 = \square$

$96 \div 2 = \square$

c) What do you notice? Talk about it with a partner.





Maths – Lesson 5

1 Aisha has some fruit.



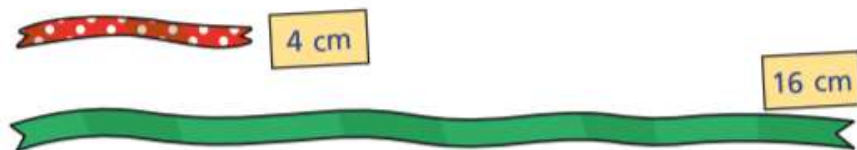
Complete the sentences to describe the fruit.

There are apples.

There are strawberries.

There are times as many strawberries as apples.

2 Huan is comparing 2 pieces of ribbon.



Complete the sentences to describe the ribbon.

The spotty ribbon measures

The plain ribbon measures

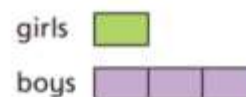
The plain ribbon is times as long as the spotty ribbon.

3 Match the bar models to the statements.

Write the missing statement.



There are 4 times as many boys as girls.



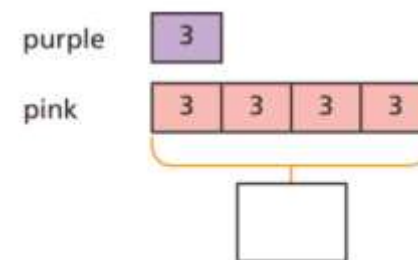
There are 3 times as many boys as girls.



4 There are 3 purple balloons.

There are 4 times as many pink balloons.

Complete the bar model to show how many pink balloons there are.

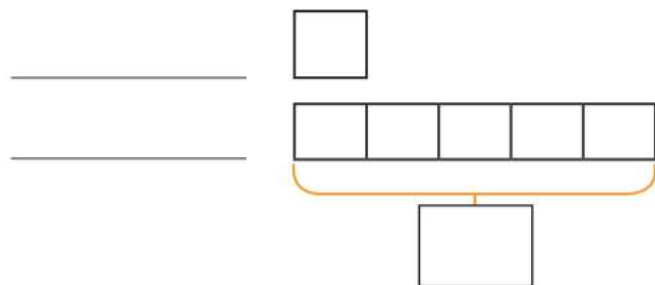




5 The red rope is 8 m long.

The blue rope is 5 times as long.

a) Label and complete the bar model.



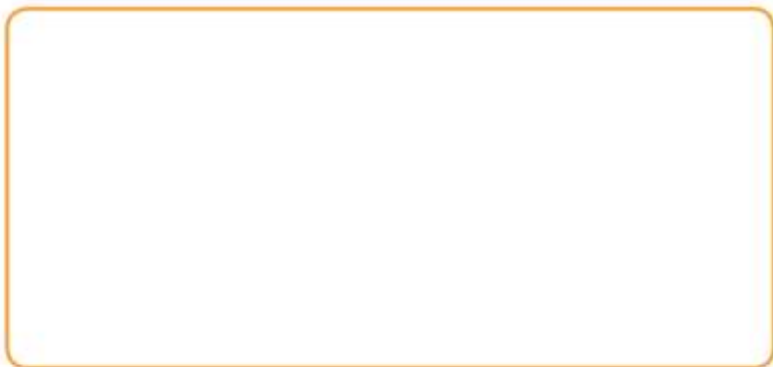
b) How long is the blue rope?

The blue rope is m long.

6 Ron has 5 bananas.

Esther has 6 times as many bananas as Ron.

Draw a bar model to work out how many bananas Esther has got.



Esther has got bananas.

7 Complete the sentences.

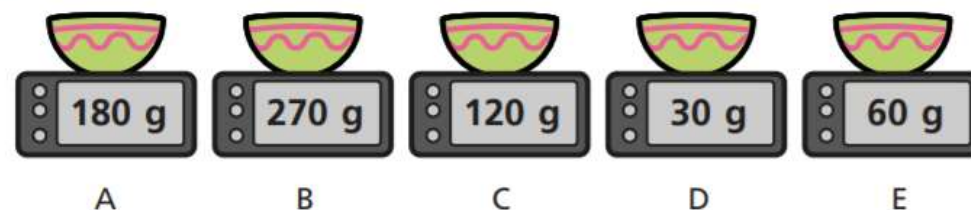
45 is times greater than 5

$$\square \times 5 = 45$$

5 is times smaller than 45

$$45 \div 5 = \square$$

8 The children are weighing out flour.



Use the clues to work out which child used which scales.

- Eva has twice as much as Alex.
- Dexter has 9 times as much as Alex.
- Annie has 3 times as much as Eva.
- Tommy has twice as much as Eva and 4 times as much as Alex.

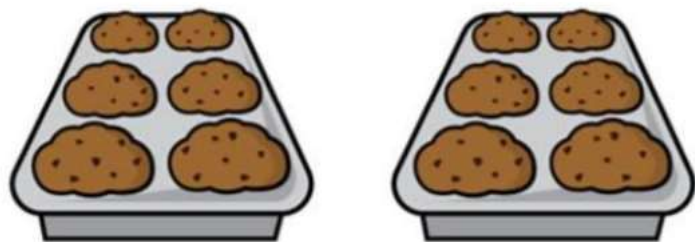
	Alex	Eva	Dexter	Annie	Tommy
Scales					



Maths Challenges

Challenge 1

Eric bakes these two trays of muffins.



He eats 2 muffins.

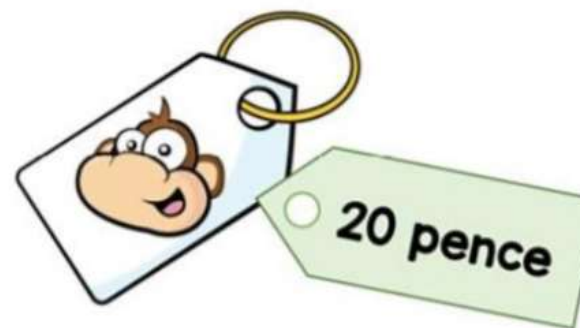
His dad eats 3 muffins.

His sister eats 4 muffins.

How many muffins does he have left?

Challenge 2

Lola buys this key ring.



Her mum gives a quarter of the money.

She pays for the rest herself.

How much does she pay herself?



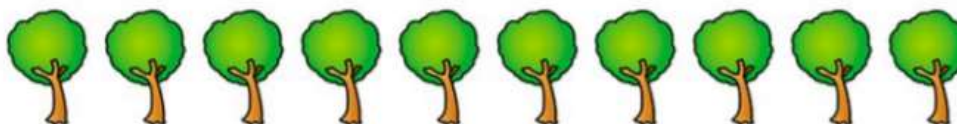
Challenge 3



How old is the teacher?

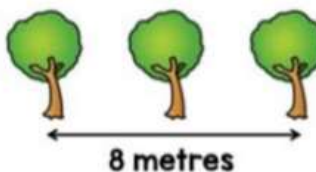
Challenge 4

Ten trees are planted in a row.



The trees are spaced out equally.

The distance between the fourth and sixth tree is 8 metres.



What is the distance between the first and last tree?



Weekly Spellings

The spelling focus this week is the 'ay' sound spelt 'ei', 'eigh' and 'ey'.

Spellings	Cover and write	Cover and write
vein		
weigh		
eight		
neighbour		
they		
obey		



English – Lesson 1

Comprehension - predict

- 1) What evidence is there to suggest that the boy will enjoy the rest of his birthday? (2 marks)

The WAGOLL is on the next slides.

The boy had excitedly written his birthday wish list several weeks ago, but he didn't know if anyone had read it. He had dropped numerous hints to his mum, dad and grandparents, yet he wasn't sure they had been paying attention. In his quiet, cosy bedroom surrounded by darkness, the little boy gradually fell into a deep, peaceful sleep. As he slept, a box lay quietly still on the soft, red quilt at the bottom of his bed. To anyone else, it may have looked like a plain, ordinary box. However, to the boy it was very special indeed.

As soon as he woke up, he tore open the wrapper and discarded the gift tag with the kind words from his mum and dad. It was just what he wanted! The legendary, incredible Traction Man was here! As quick as a flash, Traction Man pounced from his dark, solid box into full view. He was wearing his extra special combat boots and warfare shirt, which meant he was ready to embark on some amazing adventures!

Comprehension - inference

- 2) Did the boy think he was going to get the presents he wanted? (2 marks)



Comprehension - inference

3) Read the statements below and tick whether you think it is a fact or an opinion. *The WAGOLL is on the next slides.*

Statement	fact	opinion
The boy's bedroom was quiet and cosy.		
The boy had written a birthday wish list.		
Traction Man was about to start some amazing adventures.		

Comprehension - inference

4) **Look at the final sentence.** What can you infer about Traction Man? Use evidence from the text to support your answer.

(2 marks)

Comprehension - predict

5) How do you think the boy's parents will feel when they see him with the toy? (2 marks)

All answers to the above questions are at the end of this pack.



English – Lesson 2

Traction Man

In the distance, Traction Man heard the muffled sound of farm animals crying for help. Immediately, he changed into his latex space suit and perspex helmet because he knew he had to save the day. Ready for action, he jumped into his red, jet-powered trainer and as fast as lightning he zoomed across the bedroom. All of a sudden, Traction Man caught a glimpse of the evil Pillow People, who were up to no good! Bravely and cautiously, Traction Man landed on the striped duvet.

Then, he stormed towards the wicked pillows as they had captured the innocent, defenceless farmyard animals. He jumped on the pillows, so that they felt the full force of his turbo rocket boots. Fortunately, he managed to rescue all the animals from the evil pillows and save the day. The grateful, relieved animals rejoiced as Traction Man was their hero!

Comprehension - Fact Retrieval

1. In the first sentence, how did Traction Man know that the farmyard animals were in trouble? (1 mark)
2. Who did Traction Man see first on the bed? (1 mark)
3. How did Traction Man hurt the pillows? (1 mark)
4. How did Traction Man save the day? (1 mark)



Comprehension - Fact Retrieval

5. Draw a line to match the characters to their actions. (2 marks)

Traction Man had been captured

Evil Pillows saved the day

Farm animals felt the full force of turbo
rocket boots



Comprehension - Fact Retrieval

6. Tick true or false for each statement. (2 marks)

Statement	True	False
Traction Man changed into his diving suit when he heard the farm animals.		
He had to leave an animal behind.		
He jumped into a trainer to get to the bed.		

All answers to the above questions are at the end of this pack.



English – Lesson 3

Traction Man

Across the kitchen, Traction Man heard the bubbling of a sieve in need of urgent help. With no time to spare, he put on his sub-aqua suit, fluorescent flippers and infra-red mask because he knew he had to be the hero of the hour. Preparing for his next mission, he dived deep into the foamy waters. He bravely swam between the shipwrecks and dodged the variety of weird, colourful creatures hiding deep below the waves. As he explored the lost wreck of the sieve, it suddenly went dark like somebody had turned out the lights. A huge shadow made everything in the murky depths turn immediately pitch black. Traction Man began to panic as he realised that it must be the poisonous Dishcloth of Doom!

He scanned left, right, up, down, forwards and backwards, but there was no escape route. Just then, a friendly-looking creature appeared at his side and grabbed Traction Man's sleeve in his teeth. The pair were almost suffocated by the dishcloth, but they miraculously shot through the water like a speeding bullet. The confused, yet grateful hero found himself sitting safely on the side of the sink next to the panting creature. The scrubbing brush gleefully wagged its tail and smiled up at Traction Man. He thanked the brave brush for saving him and from that moment on, he knew they were going to be the best of friends.



Key Features of a Text

Across the kitchen, Traction Man heard the bubbling of a sieve in need of urgent help. With no time to spare, he put on his sub-aqua suit, fluorescent flippers and infra-red mask because he knew he had to be the hero of the hour. Preparing for his next mission, he dived deep into the foamy waters. He bravely swam between the shipwrecks and dodged the variety of weird, colourful creatures hiding deep below the waves.

1) 'Dived', 'swam' and 'dodged' are all written in which tense?

2) **Find** and **copy** an adjective that describes the water. (1 mark)

3) **Find** and **copy** three fronted adverbial phrases from the text above.

(3 marks)

As he explored the lost wreck of the sieve, it suddenly went dark like somebody had turned out the lights. A huge shadow made everything in the murky depths turn immediately pitch black. Traction Man began to panic as he realised that it must be the poisonous Dishcloth of Doom!

4) 'Suddenly' and 'immediately' are examples of which feature?

The pair were almost suffocated by the dishcloth, but they miraculously shot through the water like a speeding bullet. The confused, yet grateful hero found himself sitting safely on the side of the sink next to the panting creature. The scrubbing brush gleefully wagged its tail and smiled up at Traction Man. He thanked the brave brush for saving him and from that moment on, he knew they were going to be the best of friends.

5) 'Through' and 'up' are examples of which feature?

All answers to the above questions are at the end of this pack.

English – Lesson 4



Your task: generate sentences using correct prepositions.

Examples: Before tea, I read a newspaper report on my laptop.

The yellow bird is perched in the cage.





Prepositions of place

on	between
in	near
beside	over
underneath	beneath
behind	opposite
next to	to the left
above	to the right
below	under

Prepositions of time

before
after
at
in
on
during



Your task: it's your turn to write sentences with prepositions in about objects in your home!



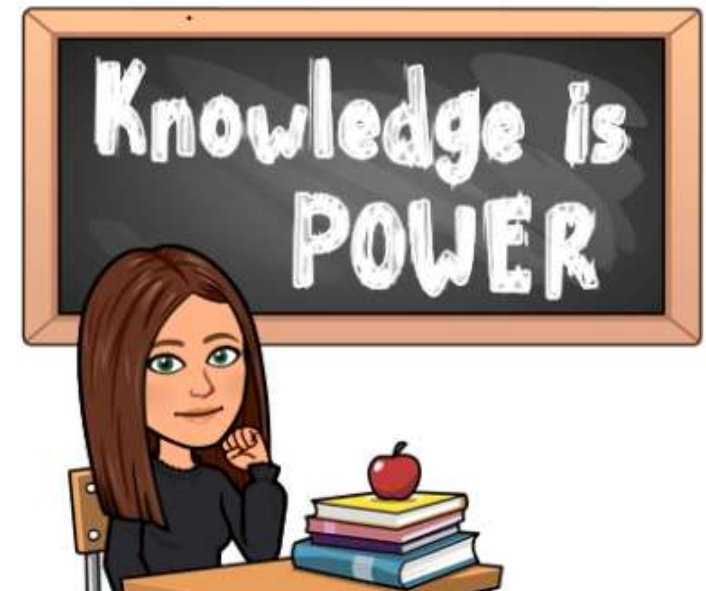
All answers to the above questions are at the end of this pack.



English – Lesson 5

Key Features of a Story

- Adjectives/expanded noun phrases
- Fronted adverbial phrases
- Adverbs
- Conjunctions
 - Co-ordinating (and, but, yet, so...)
 - Subordinating (because, that, when...)
- Past tense
- Commas in a list
- Prepositions





Your Turn - Planning

Who is in trouble or danger?

Where are they?

What costume does

Traction Man need to
change into?



What happens as he
tries to help?



Your Turn - Planning

Think about - how is Traction Man rescued?

Think about - how do Traction Man and Scrubbing Brush become best friends?





Your Turn - Writing


Now it's time to put all of your ideas into a paragraph (or two!) to continue the adventures of Traction Man!

Remember to include the features of a story, especially prepositions.





To be successful...

Feature	Example
Adjectives/expanded noun phrase	brave, evil, colourful, huge, murky, poisonous, deadly... sub-aqua suit, fluorescent flippers, infra-red mask...
Fronted adverbial phrase	From the kitchen, In the living room, From out of nowhere, All of a sudden, To his surprise, ...
Adverbs	bravely, immediately, amazingly, quickly, efficiently, rapidly, miraculously, cautiously, fortunately...
Past tense	changed, jumped, dived, landed, he was, they were...
Conjunctions	Co-ordinating (and, but, yet, so, nor, for...) Subordinating (because, that, when, if, although...)
Prepositions	on, between, in, near, beside, over, underneath, beneath, behind, opposite, next to, above, below, under... before, after, at, in, on, during...
Commas in a list	...his latex space suit, perspex helmet and turbo rocket shoes... ...had captured the frightened, innocent and defenceless... 



Maths Lesson 1 - ANSWERS

The 3 times-table



1 Complete the multiplications.



$$\boxed{8} \times \boxed{3} = \boxed{24}$$



$$\boxed{3} \times \boxed{4} = \boxed{12}$$

2 Dani makes an array using counters.



Write two multiplication and two division facts represented by the array.

$$\boxed{3} \times \boxed{5} = \boxed{15}$$

$$\boxed{5} \times \boxed{3} = \boxed{15}$$

$$\boxed{15} \div \boxed{3} = \boxed{5}$$

$$\boxed{15} \div \boxed{5} = \boxed{3}$$

3 Complete the number sentences.

a) $6 \times 3 = \boxed{18}$

d) $\boxed{15} \div 3 = 5$

b) $3 \times \boxed{9} = 27$

e) $12 \times 3 = \boxed{36}$

c) $\boxed{33} \div 11 = 3$

f) $\boxed{0} \times 3 = 0$

4 Complete the number sentences.

a) $2 \times 3 = \boxed{6}$

b) $6 = 3 \times \boxed{2}$

$4 \times 3 = \boxed{12}$

$12 = 3 \times \boxed{4}$

$8 \times 3 = \boxed{24}$

$18 = 3 \times \boxed{6}$

What patterns do you notice?



5 Write $<$, $>$ or $=$ to compare the statements.

a) $33 \div 11 \quad \boxed{=} \quad 3$

d) $6 \times 3 \quad \boxed{>} \quad 6 \div 3$

b) $27 \quad \boxed{>} \quad 30 \div 3$

e) $3 \times 6 \quad \boxed{>} \quad 18 \div 3$

c) $9 \div 3 \quad \boxed{<} \quad 3 \times 6$

f) $0 \times 3 \quad \boxed{<} \quad 3 \div 3$



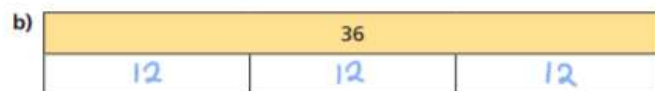
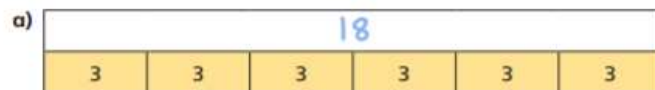
Maths Lesson 1 – ANSWERS

- 6 Colour all the numbers in the 3 times-table.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

What two patterns do you notice?

- 7 Work out the missing values in each bar model.



- 8 Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers? Eva

- 9 a) Complete the multiplications.

Are the answers odd or even? Tick your answer.

	odd	even
$1 \times 3 = 3$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$2 \times 3 = 6$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$3 \times 3 = 9$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$4 \times 3 = 12$	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- b) What would the next multiplication be?

$5 \times 3 = 15$

- c) What do you notice about the products?

- d) Will the product of 11×3 be odd or even? Odd

- 10 Use the fact that $12 \times 3 = 36$ to work out the calculations.

$13 \times 3 = 39$

$3 \times 15 = 45$

$14 \times 3 = 42$

$24 \times 3 = 72$

How did you work this out?

Did you find the answers in the same way as your partner?



Maths Lesson 2 - ANSWERS

The 4 times-table



1 Complete the multiplication.



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



$$\boxed{4} \times \boxed{3} = \boxed{12}$$

2 Complete the number sentences.

a) $6 \times 4 = \boxed{24}$

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

b) $4 \times 3 = \boxed{12}$

h) $8 \div 4 = \boxed{2}$

c) $\boxed{28} = 7 \times 4$

i) $0 \div 4 = \boxed{0}$

d) $4 \times \boxed{12} = 48$

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

e) $0 \times 4 = \boxed{0}$

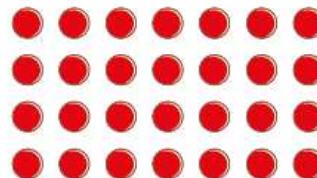
k) $\boxed{20} \div 4 = 5$

f) $4 \times 9 = \boxed{36}$

l) $1 \times 4 = \boxed{4}$

3 What multiplication and division statements does the array represent?

Complete the statements.



$$\boxed{4} \times \boxed{7} = \boxed{28}$$

$$\boxed{7} \times \boxed{4} = \boxed{28}$$

$$\boxed{28} \div \boxed{7} = \boxed{4}$$

$$\boxed{28} \div \boxed{4} = \boxed{7}$$

4 Complete the number sentences.

a) $2 \times 4 = \boxed{8}$

c) $3 \times 4 = \boxed{12}$

$4 \times 4 = \boxed{16}$

$3 \times 8 = \boxed{24}$

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

$3 \times 12 = \boxed{36}$

b) $8 = 4 \times \boxed{2}$

$16 = 4 \times \boxed{4}$

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

What patterns do you notice?





Maths Lesson 2 - ANSWERS

5 Write $<$, $>$ or $=$ to compare the statements.

a) $48 \div 12$ $=$ 4

d) $4 \div 4$ $<$ 4×4

b) 36 $>$ $40 \div 4$

e) 1×4 $=$ 4×1

c) $16 \div 4$ $<$ 4×4

f) 4×2 $=$ $32 \div 4$

6 A paper clip is 4 cm long.



How long are 6 of these paper clips?

24cm

7 Dexter buys 10 mugs and 4 key rings.
How much money does he spend in total?



£52

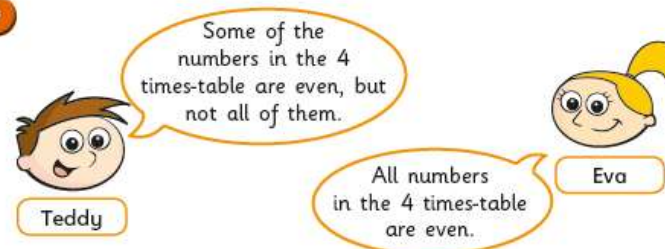
8 The pictogram shows the animals a group of children have as pets.

Complete the pictogram.

Animal	Pictogram	Number of animals
cat		16
dog		28
bird		20
mouse		4

= 4 animals

9



Who is correct? Eva

How do you know? Talk about it with a partner.

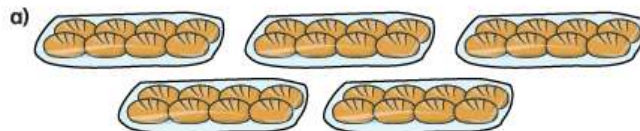


Maths Lesson 2 - ANSWERS

The 8 times-table



1 How many are there in total?
Complete the multiplications.



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



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

2 Complete the number tracks.

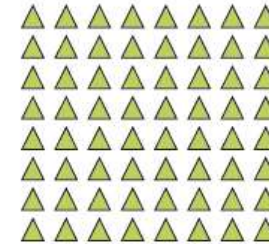
a)

0	8	16	24	32	40	48	56
---	---	----	----	----	----	----	----

b)

96	88	80	72	64	56	48	40
----	----	----	----	----	----	----	----

3 Here is an array made up of triangles.



a) What multiplication sentence can you see?

$$\boxed{8} \times \boxed{8} = \boxed{64}$$

b) What division sentence can you see?

$$\boxed{64} \div \boxed{8} = \boxed{8}$$

4 Complete the calculations.

Try to do the calculations in your head.

a) $6 \times 8 = \boxed{48}$

e) $72 \div 8 = \boxed{9}$

b) $8 \times \boxed{7} = 56$

f) $\boxed{88} \div 11 = 8$

c) $10 \times 8 = \boxed{80}$

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

d) $\boxed{32} = 8 \times 4$

h) $8 \times 1 = \boxed{8}$



Maths Lesson 2 - ANSWERS

- 5 What multiplication can you see?

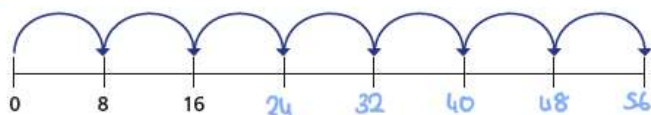


- 6 Complete the multiplications.

$$\begin{array}{ll} \text{a) } 2 \times 8 = \boxed{16} & \text{b) } 8 = 8 \times \boxed{1} \\ 4 \times 8 = \boxed{32} & 16 = 8 \times \boxed{2} \\ 8 \times 8 = \boxed{64} & 32 = 8 \times \boxed{4} \end{array}$$

What patterns do you notice?

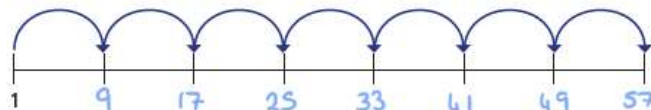
- 7 a) Amir draws 7 jumps of 8 on a number line.



What number does Amir end on? $\boxed{56}$

Explain how you worked it out.

- b) This time, Amir makes 7 jumps of 8, but starts from 1



What number does Amir end on this time? $\boxed{57}$

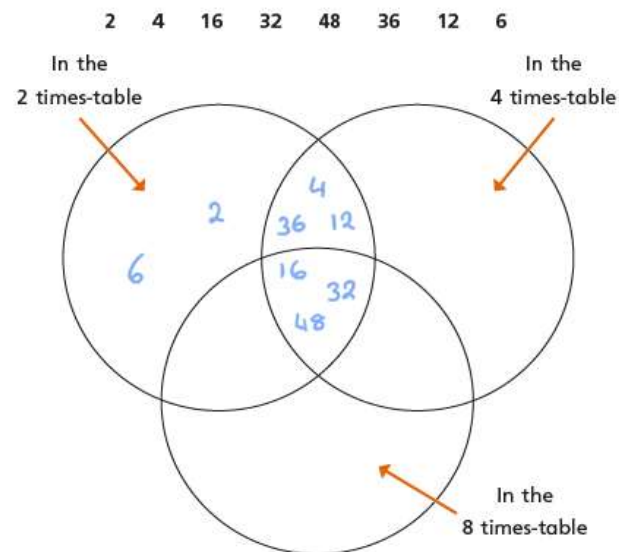
Explain how you know.

- 8 Boats can be hired on a lake.
There are 5 large boats and
8 small boats on the lake.
Each boat is full.
How many people are on the lake?



$\boxed{72}$

- 8 Put the numbers into the sorting diagram.



Are any of the parts empty? Why?

Talk about it with a partner.



Maths Lesson 3 - ANSWERS

Multiply 2-digits by 1-digit (2)



- 1 There are 23 marbles in a jar.
There are 5 jars.



Tens	Ones

How many marbles are there in total?

$5 \times 3 \text{ ones} = 15$

$5 \times 2 \text{ tens} = 100$

$15 + 100 = 115$

$5 \times 23 = 115$

There are 115 marbles in total.

- 2 Work out 4×15

Tens	Ones

$4 \times 5 = 20$

$4 \times 10 = 40$

$4 \times 15 = 60$

- 3 Complete the multiplications.

a) $4 \times 24 = 96$

b) $3 \times 17 = 51$

c) $3 \times 25 = 75$

d) $34 \times 4 = 136$

- 4 Complete the column multiplications.

Tens	Ones

		T	O
	2	4	
x		3	
	7	2	
	1		





Maths Lesson 3 - ANSWERS

Tens	Ones
10 10 10	1 1 1 1 1
10 10 10	1 1 1 1 1
10 10 10	1 1 1 1 1
10 10 10	1 1 1 1 1

	T	O
	3	5
x		4
	1	4
		2

5 Work out the multiplications.

a) 25×5

	T	O
	2	5
x		5
	1	2
		2

c) 5×26

	T	O
	2	6
x		5
	1	3
		3

b) 35×6

	T	O
	3	5
x		6
	2	1
		0
		3

d) 4×36

	T	O
	3	6
x		4
	1	4
		4
		2



6 Tommy works out 37×2

	T	O
	3	7
x		2
	6	1
		4

	T	O
	3	7
x		2
	7	4
		1

What mistake has Tommy made? Work out the correct answer.



7 Find the missing numbers.

	T	O
	2	2
x		4
	8	8

	T	O
	3	1
x		4
	1	2
		4

8 Here are some digit cards.

1	2	3	4	5	8
---	---	---	---	---	---

a) Use the digit cards to create a multiplication and work out the answer.

Eg. $32 \times 5 = 160$

b) Work with a partner to find calculations that have:

- an odd product
- an even product
- an exchange in the ones column
- an exchange in the ones and tens columns.





Maths Lesson 4 - ANSWERS

Divide 2-digits by 1-digit (2)

White Rose Maths

1 Rosie has 56 pencils.

a) Draw base 10 to represent the pencils.



Rosie shares the 56 pencils equally between 4 pots.

b) Draw base 10 on the place value grid to share the pencils.

Tens	Ones

c) How many pencils are in each pot?

14

d) Did you have to make an exchange?



2 Eva has this money.



She wants to share the money equally between 3 people.

a) Use the place value chart to show how Eva can share the money.

Tens	Ones
£10	£1 £1 £1 £1
£10	£1 £1 £1 £1
£10	£1 £1 £1 £1

b) How much money does each person get?

£14

3 Divide 72 by 3



Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1
10 10	1 1 1 1

Use the place value counters to help you.

$72 \div 3 = 24$





Maths Lesson 4 - ANSWERS

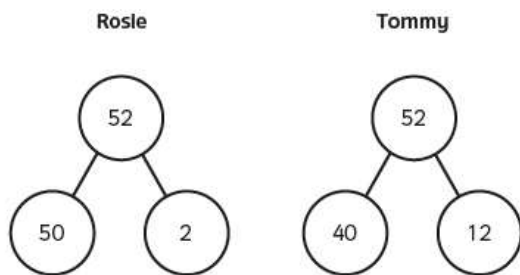
4 Use base 10 or counters to work out the divisions.

a) $45 \div 3 = 15$

b) $57 \div 3 = 19$

c) $92 \div 4 = 23$

5 Rosie and Tommy are working out $52 \div 4$
They both use a part-whole model.



a) Whose part-whole model will help them with the division?

Tommy

How do you know?

40 and 12 are both divisible by 4

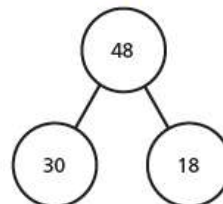
b) Use a part-whole model to work out $52 \div 4$

13



6 Use the part-whole models to complete the divisions.

a) $48 \div 3 = 16$

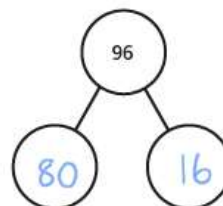


$30 \div 3 = 10$

$18 \div 3 = 6$

$48 \div 3 = 16$

b) $96 \div 4 = 24$



c) $65 \div 5 = 13$

d) $75 \div 3 = 25$

7 Here are 3 divisions.

$96 \div 8$

$96 \div 4$

$96 \div 2$

a) What is the same about the questions? What is different?



b) Complete the divisions.

$96 \div 8 = 12$

$96 \div 4 = 24$

$96 \div 2 = 48$

c) What do you notice? Talk about it with a partner.





Maths Lesson 5 – ANSWERS

Scaling

Maths

1 Aisha has some fruit.



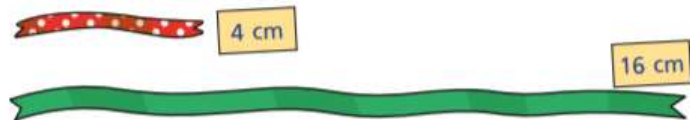
Complete the sentences to describe the fruit.

There are apples.

There are strawberries.

There are times as many strawberries as apples.

2 Huan is comparing 2 pieces of ribbon.



Complete the sentences to describe the ribbon.

The spotty ribbon measures

The plain ribbon measures

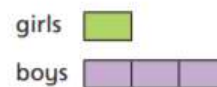
The plain ribbon is times as long as the spotty ribbon.

3 Match the bar models to the statements.

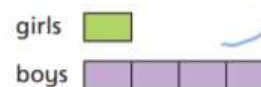
Write the missing statement.



There are 4 times as many boys as girls.



There are 3 times as many boys as girls.

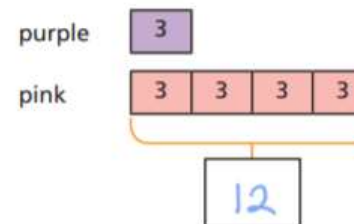


There are 5 times as many boys as girls.

4 There are 3 purple balloons.

There are 4 times as many pink balloons.

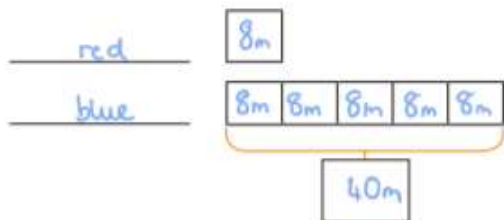
Complete the bar model to show how many pink balloons there are.





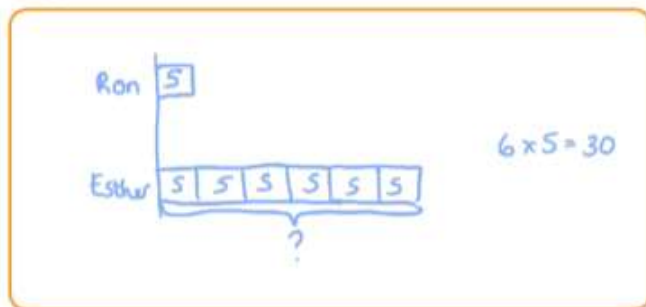
Maths Lesson 5 – ANSWERS

- 5 The red rope is 8 m long.
The blue rope is 5 times as long.
a) Label and complete the bar model.



- b) How long is the blue rope?
The blue rope is m long.

- 6 Ron has 5 bananas.
Esther has 6 times as many bananas as Ron.
Draw a bar model to work out how many bananas Esther has got.



Esther has got bananas.

- 7 Complete the sentences.

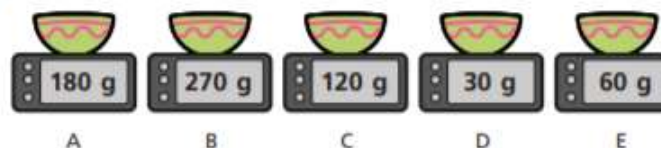
45 is times greater than 5

$$\boxed{9} \times 5 = 45$$

5 is times smaller than 45

$$45 \div 5 = \boxed{9}$$

- 8 The children are weighing out flour.



Use the clues to work out which child used which scales.

- Eva has twice as much as Alex.
- Dexter has 9 times as much as Alex.
- Annie has 3 times as much as Eva.
- Tommy has twice as much as Eva and 4 times as much as Alex.

	Alex	Eva	Dexter	Annie	Tommy
Scales	D	E	B	A	C



Maths Challenge – ANSWERS

Answers

Challenge 1 - 3 muffins

Challenge 2 - 15 pence

Challenge 3 - 24-years-old

Challenge 4 - 36 metres



Answers English Lesson 1

1. He will enjoy the rest of his birthday because he says the legendary, incredible Traction Man was here. This suggests he would enjoy playing with it.
2. No, he presumed he wouldn't get Traction Man because he dropped lots of hints and did not think anyone was paying attention.
3. Opinion/fact/opinion*

Answers English Lesson 3

1. Hearing.
2. The huge, metal machinery.
3. As the sun arose.
4. Surrounding the field.*
Inside the farm.*
5. Strangely.
6. The Iron man's footprints.

Answers English Lesson 2

4. He is well prepared because the text says he was wearing his extra special combat boots and warfare shirt, which meant he was ready to embark on some amazing adventures.
5. They will feel happy because their son is excited to have received the present.

1. Because he heard the muffled sound of animals crying for help.
2. The evil Pillow People.
3. He jumped on the pillows.
4. He rescued all the animals.
5. Traction Man - saved the day
Evil Pillows - felt the full force of the rocket boots
Farm animals - had been captured
6. False, False, True *

Answers English Lesson 4 (examples of prepositions that could be used to match the picture)

I sleep under my cosy duvet until my alarm wakes me up.

At 4pm, I help my parents prepare tea in the kitchen.

My cat waits next to the wooden door.

I can see the winding path and rolling hills outside the window.

The fruit bowl is on the table beside the pie.