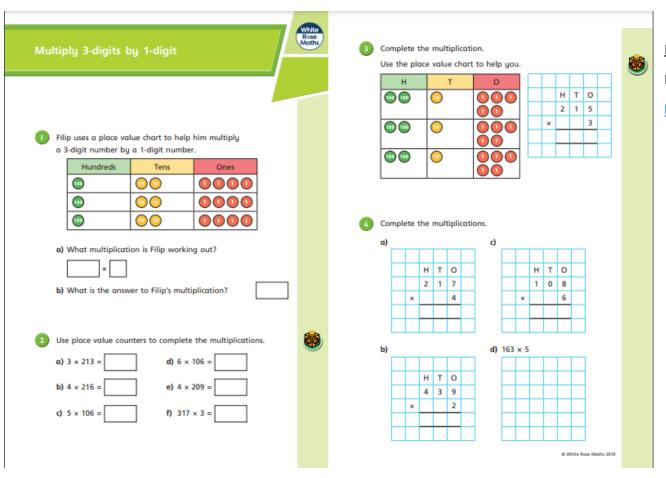
Miss Phillips and Mrs Bowers Maths Home Learning

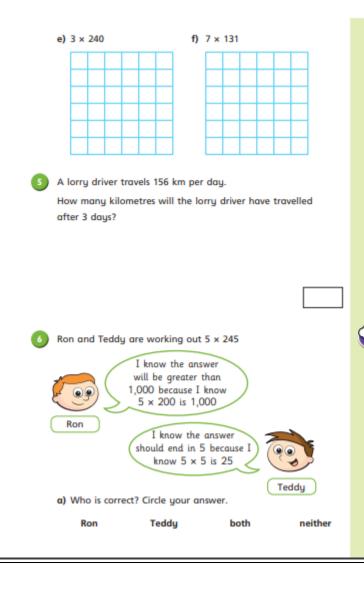
This week we are mainly focussing on division. In the series on division, you will see different ways to solve calculations, including using PV counters, using the part/whole model and using a number line. Remember that you can use any objects that you have handy to represent PV counters.

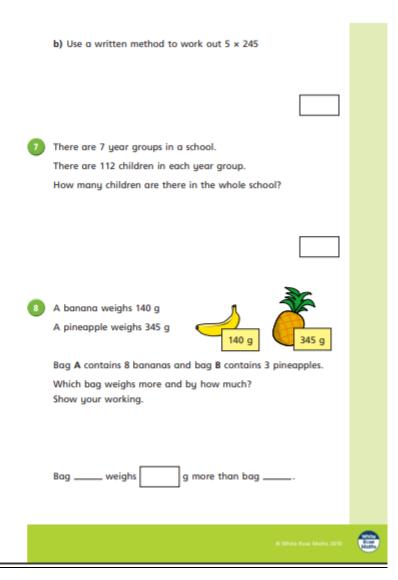
Watch the videos, pausing where necessary, and then complete the relevant worksheet. Questions 1-4 tend to be more scaffolded; questions 5 to the end require more careful thought and problem solving skills. Have fun! Contact us if you need any further help.



Monday 1st February

Multiply 3 digit by 1 digit numbers





Tuesday 2nd February

Divide 2 digits by 1 digit (1)

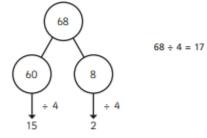
Divide 2-digits by 1-digit (1)	White Rose Maths		3
Rosie is working out 93 ÷ 3 using a place value chart.	8	a)	
Tens Ones Ones Ones Ones		I can't do it because I have counters left over.	
 a) Talk about Rosie's method with a partner. b) Complete the division. 93 ÷ 3 = 	9	Do you agree with Dexter? Explain your answer.	
Use place value counters to complete the divisions. a) $66 \div 3 =$ d) $48 \div 4 =$		b) Work out 56 ÷ 4 using place value counters. 56 ÷ 4 =	
b) 86 ÷ 2 = e) = 39 ÷ 3 c) 50 ÷ 5 = f) 84 ÷ 4 =		a) 72 ÷ 3 = d) 48 ÷ 6 =	
		b) 92 ÷ 4 =	

Teddy is working out 57 ÷ 3



How does Teddy know this? Talk about it with a partner.

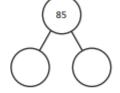
Amir is working out 68 ÷ 4

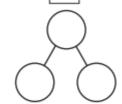


Talk about Amir's method with a partner.

Use Amir's method to complete these calculations.







8 Kim has 92 beads.

She wants to share them equally between 4 friends. How many beads will each friend get?



Write <, > or = to make the statements correct.



Wednesday 3rd February

Divide 2 digits by 1 digit (2)

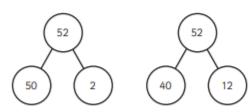
Divide 2-digits by 1-digit (2)		White Rose Maths	Eva has this money. She wants to share the money equally between 3 people.	
			a) Use the place value chart to show how Eva can share the money.	
Rosie has 56 pencils.			Tens Ones	
a) Draw base 10 to represent the p				
b) Draw base 10 on the place value	_		b) How much money does each person get?	
Tens	Ones		3 Divide 72 by 3	
			Tens Ones	
c) How many pencils are in each pd) Did you have to make an excha		\bigcirc	Use the place value counters to help you. 72 ÷ 3 =	
			© White Rose Maths 2019	

- Use base 10 or counters to work out the divisions.
 - a) 45 ÷ 3 =
 - b) 57 ÷ 3 =
 - c) 92 ÷ 4 =
- S Rosie and Tommy are working out 52 ÷ 4

They both use a part-whole model.

Rosie

Tommy



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

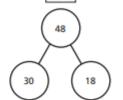
How do you know?

b) Use a part-whole model to work out 52 ÷ 4

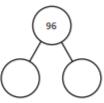


Use the part-whole models to complete the divisions.

a) 48 ÷ 3 =



- 30 ÷ 3 =
- 18 ÷ 3 =
- 48 ÷ 3 =
- b) 96 ÷ 4 =
- c) 65 ÷ 5 =



d) 75 ÷ 3 =

Here are 3 divisions.

96 ÷ 8

96 ÷ 4

96 ÷ 2

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



b) Complete the divisions.

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



Thursday 4th February

Divide 2 digits by 1 digit (3)

Divide 2-digits by 1-digit (3)	White Rose Maths	There are 17 lolly sticks. There are groups of 3	
1 Mo has these lolly sticks. He uses them to make squares. How many squares can Mo make?		There are groups of 3 There are lolly sticks remaining. 17 ÷ 3 = remainder Mo can make triangles. 3 Finally, Mo uses the lolly sticks to make pentagons. How many pentagons can Mo make? Complete the sentences.	
Complete the sentences. There are 17 lolly sticks. There are groups of 4 There is lolly stick remaining. 17 ÷ 4 = remainder Mo can make squares. 2 Mo now uses the lolly sticks to make triangles. How many triangles can Mo make?	8	There are 17 lolly sticks. There are groups of 5 There are lolly sticks remaining. 17 ÷ 5 = remainder Mo can make pentagons. Use repeated subtraction to complete the divisions. Use the number lines to help you. a) 23 ÷ 4 = remainder	
Complete the sentences.		0 15 19 23 © White Rose Maths 2019	

remainder How do you know there is no remainder when 75 is divided by 5? Without doing the division, what is the remainder when 76 is divided by 5? remainder Use place value counters and a place value chart to work out the divisions. remainder Eva works out 34 ÷ 4 remainder 6 10 14 18 22 remainder There is a remainder of 6 Teddy has fewer than 60 marbles but more than 40 Is Eva correct? ____ When he shares them equally into 3 pots he has no remainders. How do you know? When he shares them equally into 4 pots he has remainder 3 When he shares them equally into 5 pots he has remainder 1 How many marbles could Teddy have? Complete the calculations. = 4 remainder 5 = 14 remainder 1 = 4 remainder 1

Friday 5th February

Divide 3 digits by 1 digit

https://vimeo.com/497992648

Divid				
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			vu i	- 641641

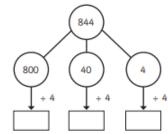


н	Т	0
00	0	0
00	0	0
00	0	0
00	0	0

- a) Talk about Jack's method with a partner.
- b) Complete the division.

Use Jack's method to work out these divisions.

Eva is working out 844 ÷ 4 using a part-whole model.



Complete Eva's method.

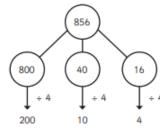
A ball of string is 848 cm long.

It is cut into 4 equal pieces.

What is the length of one piece of string?



Whitney is using flexible partitioning to divide a 3-digit number.



Could Whitney have partitioned her number another way?

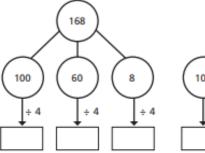
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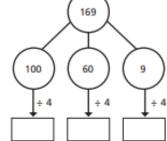


Use Whitney's method to work out these divisions.

- a) 585 ÷ 5 =
- c) 648 ÷ 4 =
- b) 672 ÷ 6 =
- d) 847 ÷ 7 =







What is the same and what is different about the calculations? Talk about it with a partner.



- a) 258 ÷ 6 =
- c) 864 ÷ 4 =
- b) 623 ÷ 5 =
- d) 824 ÷ 3 =



Eva has a piece of ribbon.



The ribbon measures 839 cm long.

How much ribbon would be left over if she cuts it into:

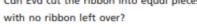
a) 4 equal pieces

1) 6	egual	nieces	





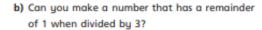




Explain your answer.







c) Can you make a number that has a remainder of 2 when divided by 3?

What do you notice? Talk about your findings with a partner.





