

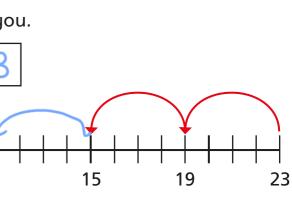
There are 17 lolly sticks. groups of 3 There are lolly sticks remaining. There are remainder 17 ÷ 3 = Mo can make triangles. 5 Finally, Mo uses the lolly sticks to make pentagons. How many pentagons can Mo make? Complete the sentences. There are 17 lolly sticks. groups of 5 2 There are lolly sticks remaining. There are 17 ÷ 5 = remainder 3 pentagons. Mo can make Use repeated subtraction to complete the divisions. Use the number lines to help you. **a)** 23 ÷ 4 = remainder

3

0

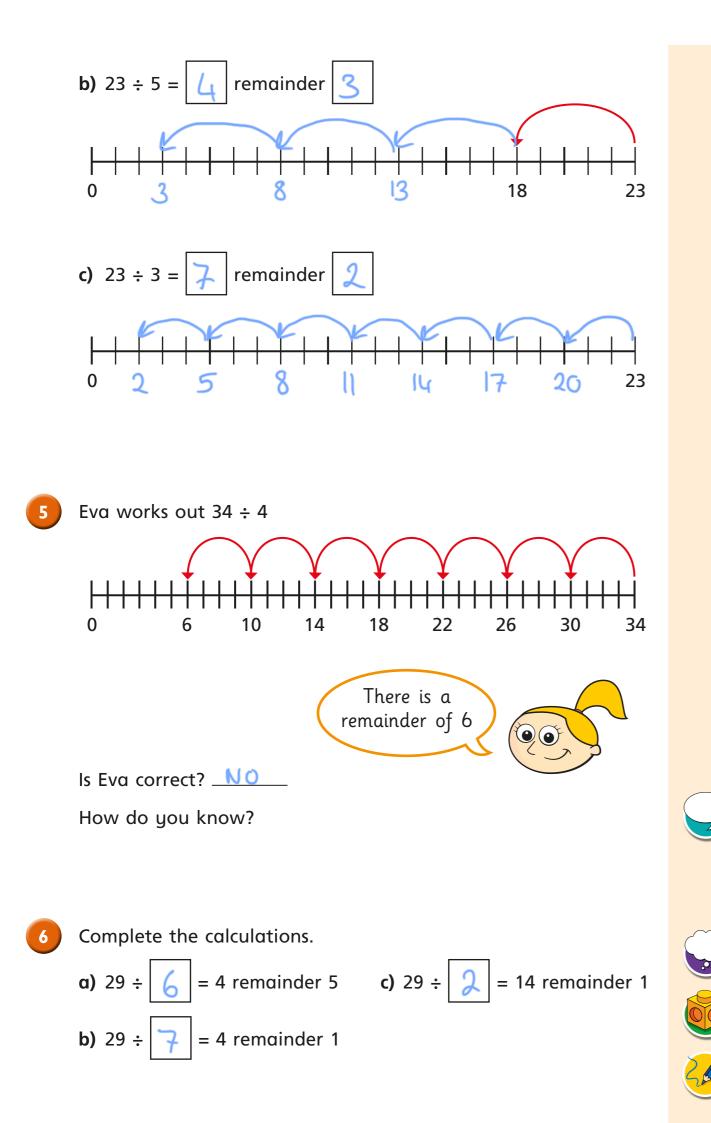








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How do you know there is no remainder when 75 is divided by 5? hap 5 ones so it is in the Stimes table. Without doing the division, what is the remainder when 76 is divided by 5? Use place value counters and a place value chart to work out the divisions. a) 87 ÷ 4 = remainder **b)** 77 ÷ 3 = remainder **c)** 74 ÷ 5 = remainder 11

Teddy has fewer than 60 marbles but more than 40 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?









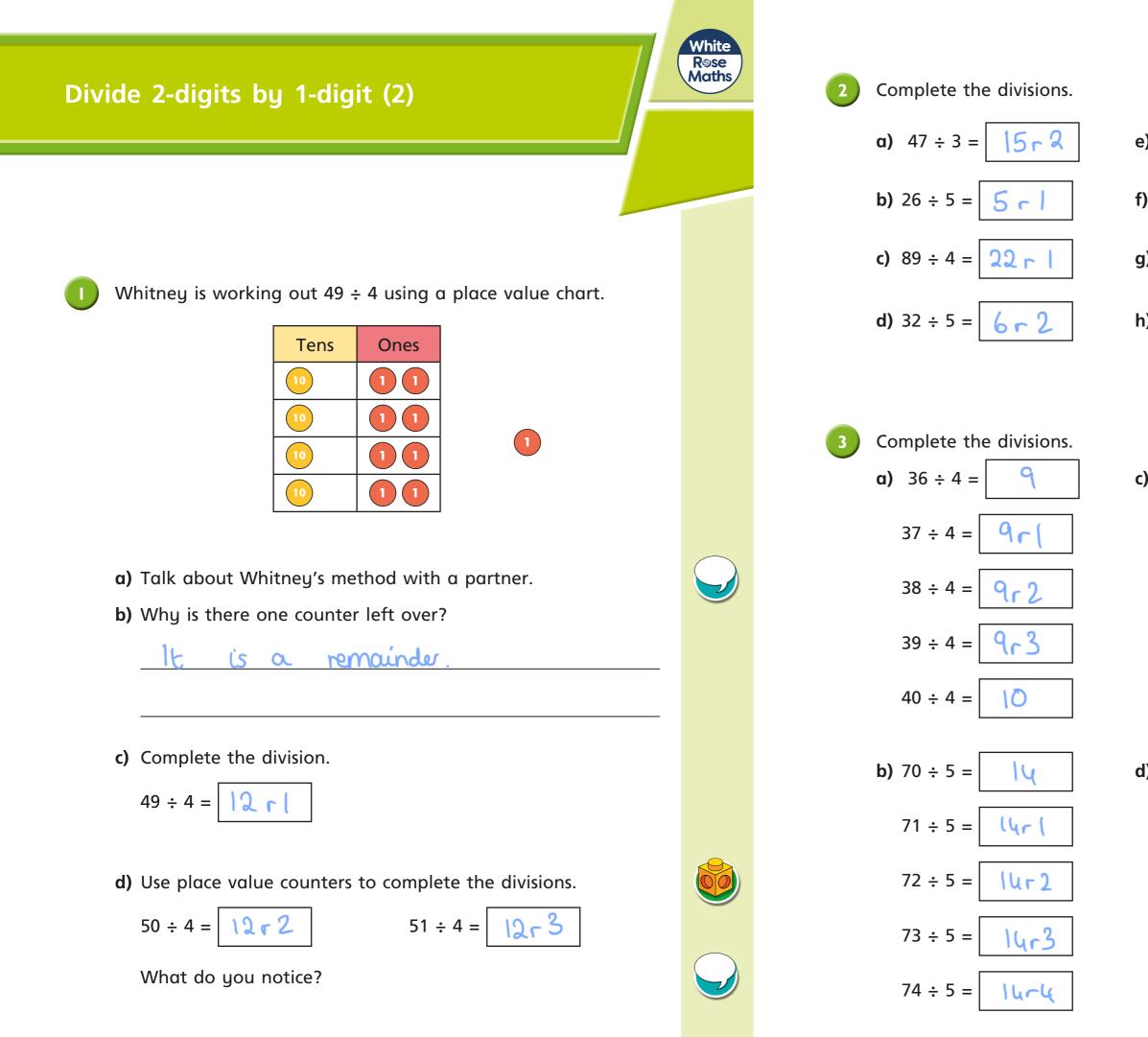
When he shares them equally into 3 pots he has no remainders.



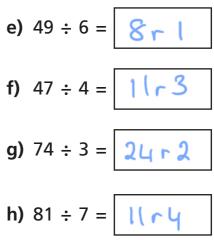


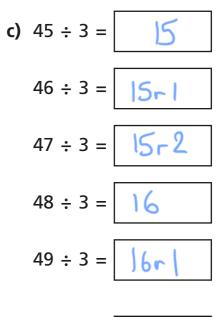












$$92 \div 4 = 23$$

$$91 \div 4 = 22r3$$

$$90 \div 4 = 22r2$$

$$89 \div 4 = 22r1$$

$$88 \div 4 = 22$$





Dora has been working out some divisions.

 $72 \div 4 = 18$ 73 ÷ 4 = 18 r1 74 ÷ 4 = 18 r2 75 ÷ 4 = 18 r3 I know without working it out that $76 \div 4$

must be 18 r4

a) Why does Dora think this?

0

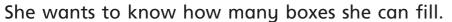
She has spotted a pattern

b) Explain why Dora is wrong.

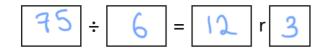
You	can't han	re a remainder	or 4
	duriding		
	J	J	

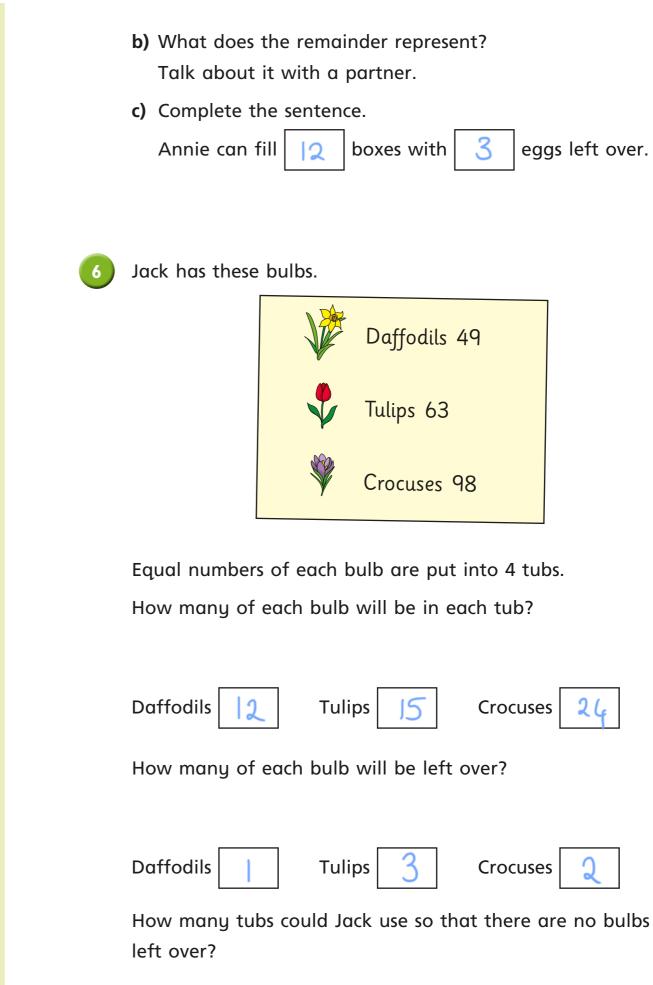
Eggs come in boxes of 6

Annie has 75 eggs.



a) Complete the division to work it out.







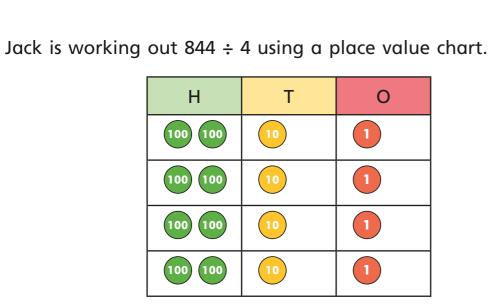






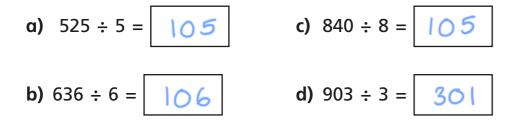


Divide 3-digits by 1-digit



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

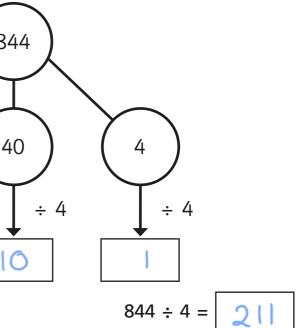
Use Jack's method to work out these divisions.



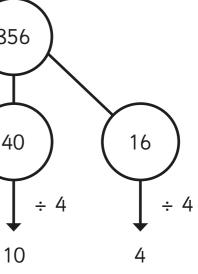
White Rose Maths Eva is working out 844 ÷ 4 using a part-whole model. 844 800 40 4 ÷4 ÷4 ÷ 4 200 Complete Eva's method. 844 ÷ 4 = A ball of string is 848 cm long. It is cut into 4 equal pieces. What is the length of one piece of string? 212cm Whitney is using flexible partitioning to divide a 3-digit number. 856 800 40 16 ÷4 ÷ 4 ÷ 4 200 10 4

Could Whitney have partitioned her number another way?



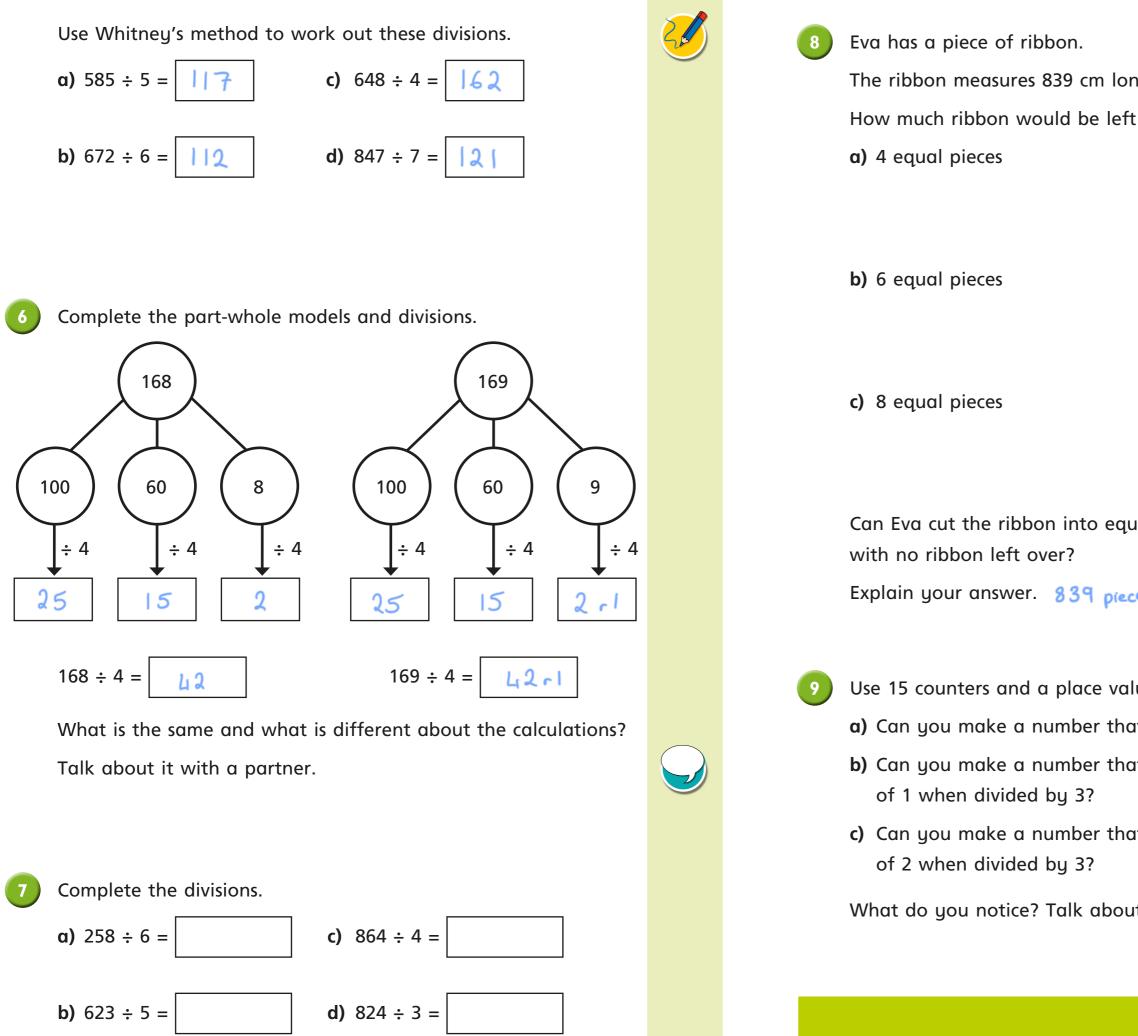








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ng. Tt over if she cuts it into:				
3 cm				
5 cm				
7 cm				
ual pieces Yes				
ces each I on long.				
lue chart	\bigcirc			
llue chart. at is divisible by 3? <u>yes</u>				
at has a remainder				
<u></u>				
at has a remainder				
ut your findings with a partner.				



Correspondence problems

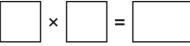


A pizzeria offers a choice of bases and toppings.

Pizza base	Toppings	
deep pan	mushrooms	
thin	chicken	
	onion	
	peppers	
	sweetcorn	

Complete the multiplication to work out how many different

combinations of pizza there are.



Complete the sentence.

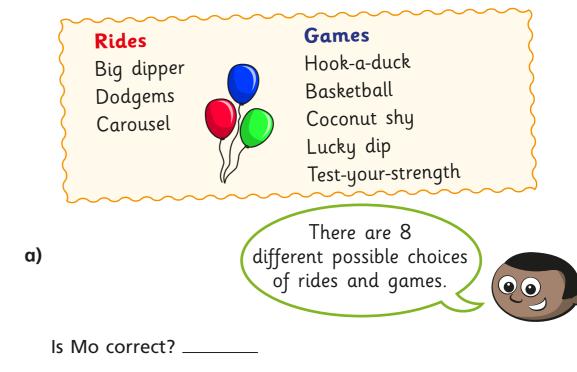
There are

combinations of pizza.



Mo visits the funfair.

He buys a ticket that allows him to choose 1 ride and 1 game at the fair.



A canteen has 2 types of bread and a choice of 3 sandwich fillings.

Bread	Fillings	
white	cheese	
brown	tuna	
	chicken	

a) List the different sandwiches that can be made.

One has been done for you.

cheese on white

b) Complete the multiplication to represent the number of different combinations of bread and filling.



Complete the sentence.



combinations.

c) How many combinations would there be if there were 4 choices of sandwich filling?

Explain your answer.

He has done 3+5 not 3×5		Sport
		football
		tennis
b) List all the different choices Mo can make.		golf
BH BB BC BL BT		
		Each child is allowed
DH DB DC DL DT		1 sport, 1 arts and cro
CH CB CC CL CT		a) How many activity
Mo can make [5] different choices.		
		b) Due to a flooded
		How many combin
Aisha has 3 headbands and 5 hair slides.		
Kim has 2 headbands and 6 hair slides.		
Who has more choices of combinations for wearing one		There are 24
headband and 1 slide?		
		6 Tom and Esther are b
		They have a choice o
		dress their snowman.
		How many different
Acsha has more choices.		5 × 4 × 2 =
Talk about it with a partner.		There are 40 com

5 Here are the activity choices available at Summer Camp.

Arts and crafts	Outward bound		
painting	wall climbing		
pottery	kayaking		
mosaics	abseiling		
origami			

is allowed to choose 3 activities per day:

arts and crafts and 1 outward bound.

iny activity combinations are there?



flooded pitch, football is cancelled.

iny combinations are now possible?

combinations.

 $| \mathbf{U} |$ combinations.

sther are building a snowman.

a choice of 5 hats, 4 scarves and 2 pairs of gloves to

different combinations are possible?





R©se Maths 3) Each box contains 6 eggs. Year 4 Multiplication and Division Complete the fact family to represent the eggs. Answers 42 6 Х =7 42 Х 6 =Match each statement to the correct bar model. 42 ÷ =6 6 bags of 10 10 10 10 10 10 42 10 sweets ÷ 6 =Ч Use the number line to help you work out 10 bags of 6 sweets 6 × 40 = | 240 10 bags of 6 6 6 6 6 6 6 6 6 6 10 sweets l mark 80 40 120 160 200 240 280 320 360 400 0 Complete the bar model to show 7×3 5 Complete the calculations. 2 150 $180 \div 2 =$ **90** $5 \times 30 =$

l mark

1,500

 $5 \times 300 =$

q

= 70

630 ÷

3 3

3

3

3

3

3

l mark

3 marks

l mark

