

Monday Maths

Multiply 2-digits by 1-digit

Watch the learning videos
<https://whiterosemaths.com/homelearning/year-4/>
 Select Summer Term Week 3 (wc/4th May)
 Lesson 1

1 Brett uses a place value chart to work out 5×32



Talk about Brett's method with a partner.

Complete the multiplication.

$$5 \times 32 = \boxed{}$$

Use Brett's method to work out 6×34

$$6 \times 34 = \boxed{}$$

- 2 Rosie works out 4×37 using a written method.

		H	T	O						
			3	7						
	x			4						
			2	8			(7	x	4)	
		1	2	0		(3	0	x	4)	
		1	4	8						

Use Rosie's method to work out 6×28

- 3 Dani uses a different written method to work out 8×42

		H	T	O	
			4	2	
	x			8	
		3	3	6	
			1		

Talk about Dani's method with a partner.

e) $29 \times 8 =$

f) $17 \times 4 =$

- 5 Class 4 is selling tickets for a play.

Tickets cost £5 per person.

56 tickets have been sold so far.

How much money has Class 4 collected?

- 6 Rosie buys 8 bunches of flowers. Each bunch has 17 flowers.
How many flowers does she have altogether?

Multiply 3-digits by 1-digit

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 Lesson 2

- 1** Filip uses a place value chart to help him multiply a 3-digit number by a 1-digit number.

Hundreds	Tens	Ones
100	10 10	1 1 1 1
100	10 10	1 1 1 1
100	10 10	1 1 1 1

- a) What multiplication is Filip working out?

$$\square \times \square$$

- b) What is the answer to Filip's multiplication?

- 2** Use place value counters to complete the multiplications.

a) $3 \times 213 = \square$

d) $6 \times 106 = \square$

b) $4 \times 216 = \square$

e) $4 \times 209 = \square$

c) $5 \times 106 = \square$

f) $317 \times 3 = \square$

3 Complete the multiplication.

Use the place value chart to help you.

H	T	O
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1

		H	T	O	
		2	1	5	
	x			3	
		<hr/>			
		<hr/>			

4 Complete the multiplications.

a)

		H	T	O	
		2	1	7	
	x			4	
		<hr/>			
		<hr/>			

c)

		H	T	O	
		1	0	8	
	x			6	
		<hr/>			
		<hr/>			

b)

		H	T	O	
		4	3	9	
	x			2	
		<hr/>			
		<hr/>			

d) 163×5

- 5 A lorry driver travels 156 km per day.

How many kilometres will the lorry driver have travelled after 3 days?

- 6 Ron and Teddy are working out 5×245



Ron

I know the answer will be greater than 1,000 because I know 5×200 is 1,000

I know the answer should end in 5 because I know 5×5 is 25



- b) Use a written method to work out 5×245

- 7 There are 7 year groups in a school.

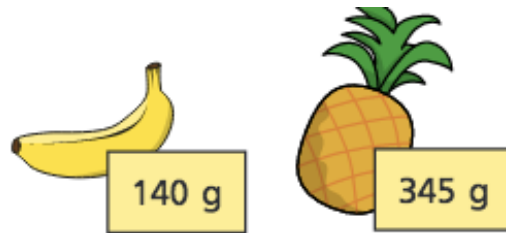
There are 112 children in each year group.

How many children are there in the whole school?

8

A banana weighs 140 g

A pineapple weighs 345 g



Bag **A** contains 8 bananas and bag **B** contains 3 pineapples.

Which bag weighs more and by how much?

Show your working.

Bag _____ weighs g more than bag _____.

Divide 2-digits by 1-digit (2)

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Lesson 3

- I Whitney is working out $49 \div 4$ using a place value chart.

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

1

- a) Talk about Whitney's method with a partner.
b) Why is there one counter left over?

- c) Complete the division.

$$49 \div 4 = \boxed{}$$

- d) Use place value counters to complete the divisions.

$$50 \div 4 = \boxed{}$$

$$51 \div 4 = \boxed{}$$

What do you notice?



2 Complete the divisions.

a) $47 \div 3 =$

e) $49 \div 6 =$

b) $26 \div 5 =$

f) $47 \div 4 =$

c) $89 \div 4 =$

g) $74 \div 3 =$

d) $32 \div 5 =$

h) $81 \div 7 =$

3 Complete the divisions.

a) $36 \div 4 =$

c) $45 \div 3 =$

$37 \div 4 =$

$46 \div 3 =$

$38 \div 4 =$

$47 \div 3 =$

$39 \div 4 =$

$48 \div 3 =$

$40 \div 4 =$

$49 \div 3 =$

b) $70 \div 5 =$

d) $92 \div 4 =$

$71 \div 5 =$

$91 \div 4 =$

$72 \div 5 =$

$90 \div 4 =$

$73 \div 5 =$

$89 \div 4 =$

$74 \div 5 =$

$88 \div 4 =$



Spare page for working out!

4

Dora has been working out some divisions.

$$72 \div 4 = 18$$

$$73 \div 4 = 18 \text{ r}1$$

$$74 \div 4 = 18 \text{ r}2$$

$$75 \div 4 = 18 \text{ r}3$$



I know without working it out that $76 \div 4$ must be $18 \text{ r}4$

a) Why does Dora think this?

b) Explain why Dora is wrong.

5

Eggs come in boxes of 6

Annie has 75 eggs.

She wants to know how many boxes she can fill.



a) Complete the division to work it out.

$$\boxed{} \div \boxed{} = \boxed{} \text{ r } \boxed{}$$




b) What does the remainder represent?

Talk about it with a partner.

c) Complete the sentence.

Annie can fill boxes with eggs left over.

6 Jack has these bulbs.

	Daffodils 49
	Tulips 63
	Crocuses 98

Equal numbers of each bulb are put into 4 tubs.

How many of each bulb will be in each tub?

Daffodils Tulips Crocuses

How many of each bulb will be left over?

Daffodils Tulips Crocuses

How many tubs could Jack use so that there are no bulbs left over?

Divide 3-digits by 1-digit

White Rose
Maths

Watch the learning videos
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Select Summer Term Week 3 (wc/4th May)
Lesson 4

- 1 Jack is working out $844 \div 4$ using a place value chart.

H	T	O
100 100	10	1
100 100	10	1
100 100	10	1
100 100	10	1

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

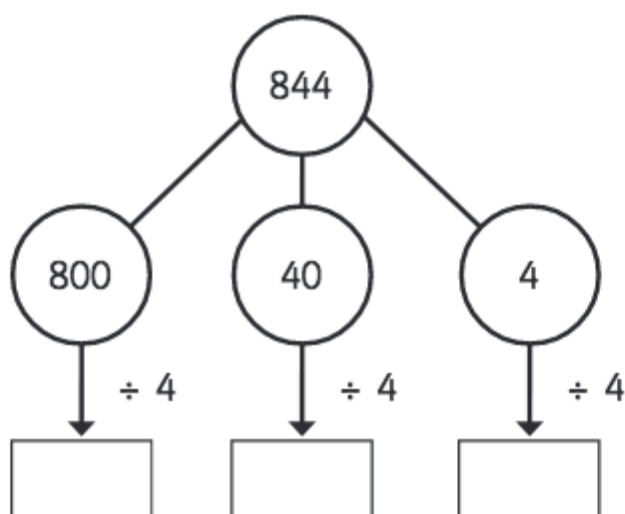
$$844 \div 4 = \boxed{}$$

- 2 Use Jack's method to work out these divisions.

a) $525 \div 5 = \boxed{}$ c) $840 \div 8 = \boxed{}$

b) $636 \div 6 = \boxed{}$ d) $903 \div 3 = \boxed{}$

- 3 Eva is working out $844 \div 4$ using a part-whole model.



Complete Eva's method.

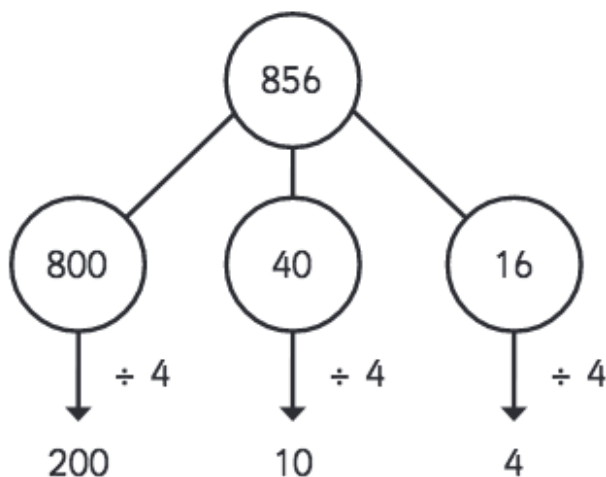
$$844 \div 4 =$$

- 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?

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



Could Whitney have partitioned her number another way?



Use Whitney's method to work out these divisions.

a) $585 \div 5 =$

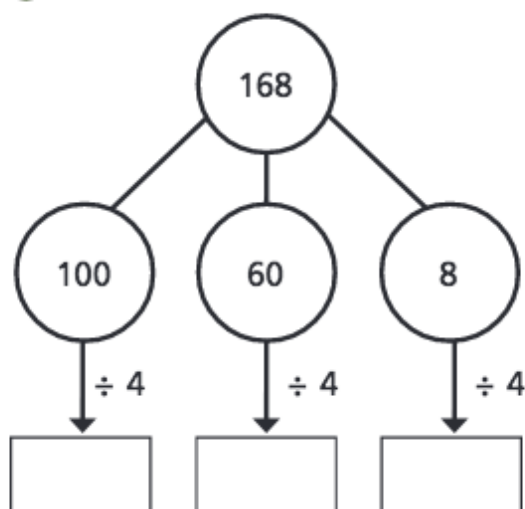
c) $648 \div 4 =$

b) $672 \div 6 =$

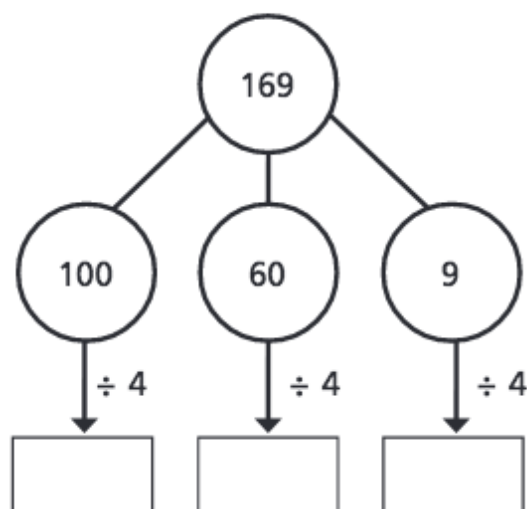
d) $847 \div 7 =$



6 Complete the part-whole models and divisions.



$$168 \div 4 =$$



$$169 \div 4 =$$

What is the same and what is different about the calculations?

Talk about it with a partner.

8 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

b) 6 equal pieces

c) 8 equal pieces

Can Eva cut the ribbon into equal pieces with no ribbon left over?

Explain your answer.

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Lesson 5

Clue-Dough Carrot Cake

A delicious and suprisingly healthy snack - by replacing the butter with banana we can make this a healthy treat. Try transforming your cake into a game by decorating with either a picture and cutting to make a Jigsaw puzzle or try our Tangram idea.

Share your photos with us using [#MathsEveryoneCanAtHome](#)

Maths Aims:

To weigh different quantities of ingredients, measuring in grams.

To create a pattern or puzzle to solve (Jigsaw or Tangram).

Ingredients:

- 200g self-raising flour
- 40g of sugar
- 1tsp of baking powder
- 1tsp of cinnamon
- 2 soft bananas
- 1 large carrot
- 2 eggs

Optional: Icing Sugar

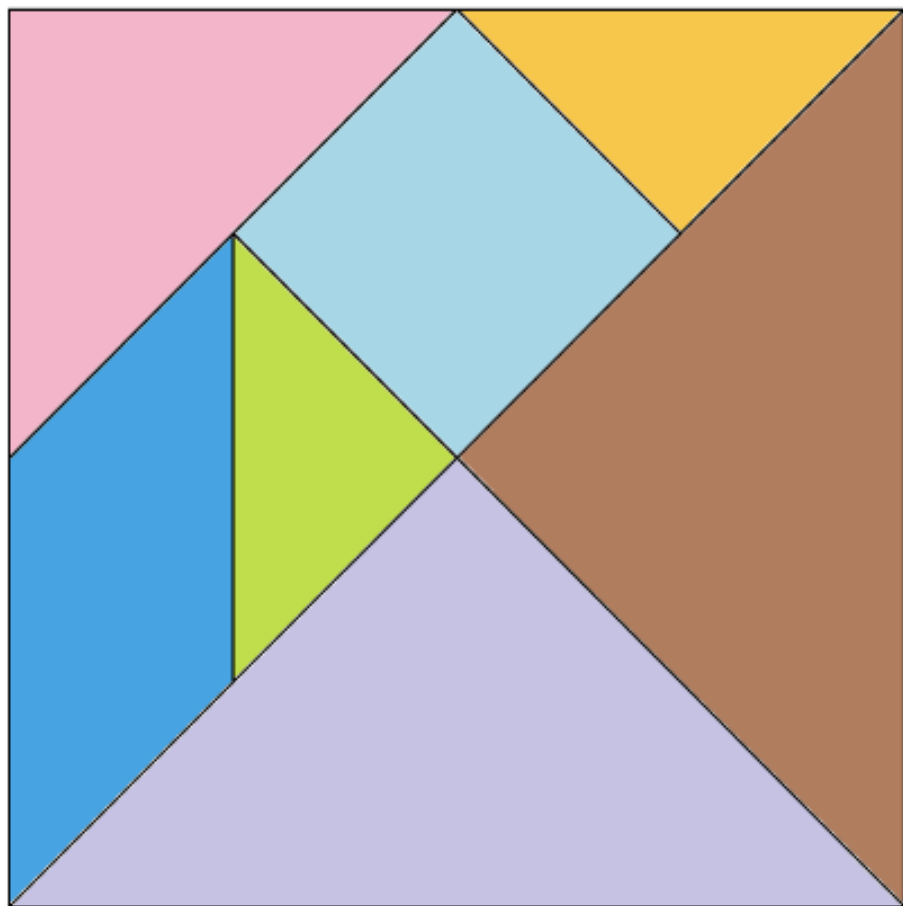
What we need to do:

- Pre-heat the oven to 170C.
- Peel and grate the carrot - leave to one side.
- Add in the banana and with a fork or masher, mash the banana until smooth.
- Weigh in 200g of self-raising flour, 40g sugar, the baking powder and the cinnamon.
- Add in the grated carrot.
- Finally, add the 2 eggs and mix. Mix to a smooth, runny batter.
- Spoon into a square cake tin (if possible).
- Bake in the oven for approximately 20 minutes. Test the middle of the muffin to see if it's spongy.

Clue-Dough Cake

[Zoom Out](#)

Q1. Here is a tangram.

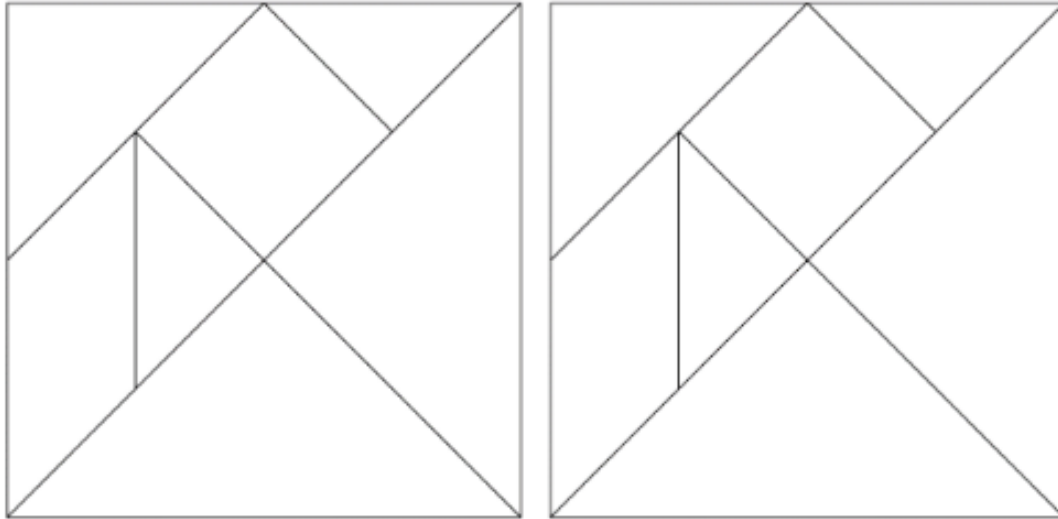


(a) What shapes can you see?

What way can you sort your shapes?

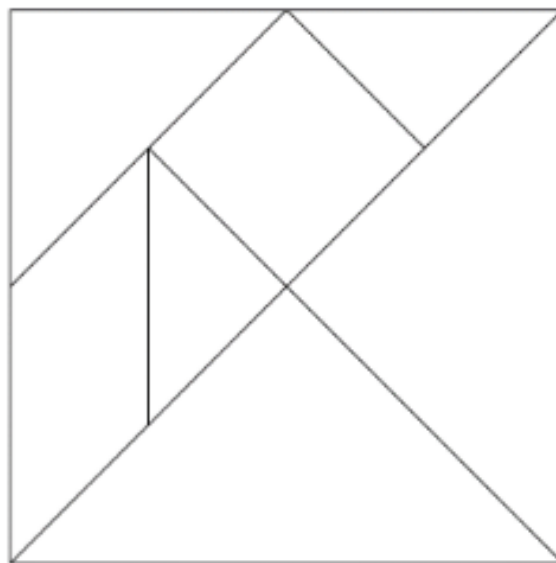
(b) Can you see two different types of trapezium?

Shade them in.



(c) Can you see an irregular hexagon?

Shade it in.



Q2. Cut out your cake so it looks like the tangram.

Can you make any of the following shapes?

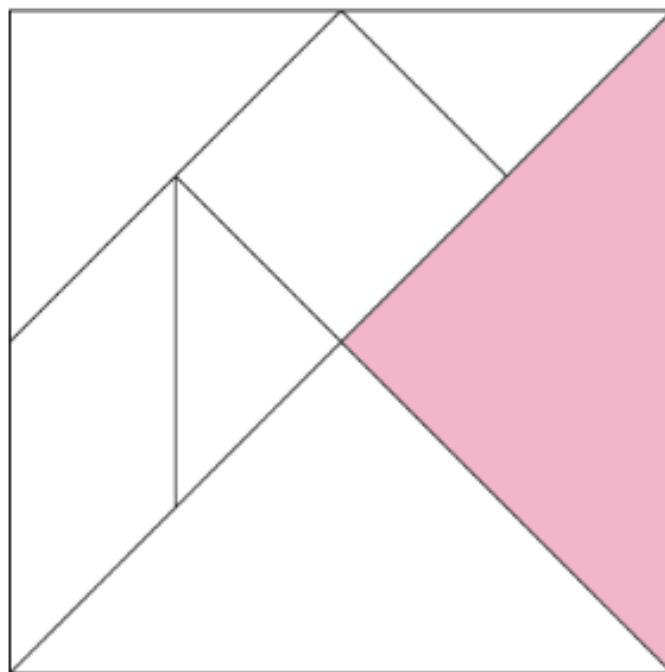
A boat

A cat

A house

Q3. What other shapes can you make?

Q4. What fraction of the whole shape is shaded here?



Shade in more of the diagram so 75% is shaded.