Year Five
Maths
Lesson 4

Fluency Starter

- Keep up your daily practice of 5 a day https://corbettmathsprimary.com/5-a-day/ and challenge yourself to Bronze, Silver, Gold or Platinum!

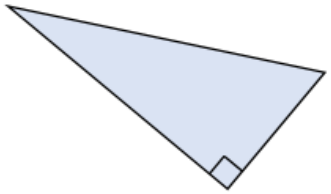
- Or Complete Flashback 4 for your daily starter (on the next slide).

- Log on to Doodlemaths for 15 minutes each day and try and keep in the Green Zone.
- There are also some Maths activities on Purple Mash to complete.

Fluency Starter

Flashback 4

Year 5 | Week 3 | Day 4

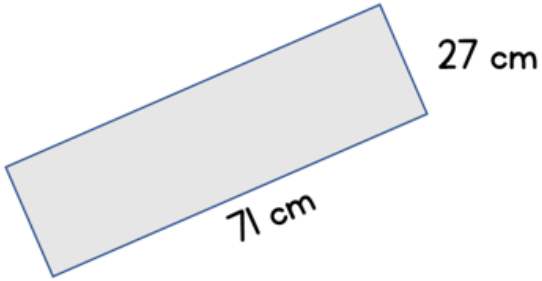


1) Subtract 2.6 from 3.77

2) Add £3.67 to £4.85

3) What is three hundredths more than 7.248?

4) Work out the perimeter of the rectangle.



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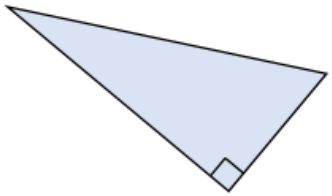
Fluency Starter Answers

Flashback 4

Year 5 | Week 3 | Day 4

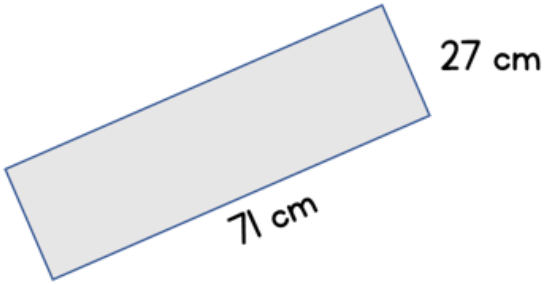
1) Subtract 2.6 from 3.77 — 1.17



2) Add £3.67 to £4.85 — £8.52

3) What is three hundredths more than 7.248? — 7.278

4) Work out the perimeter of the rectangle.



196 cm or 1.96 m

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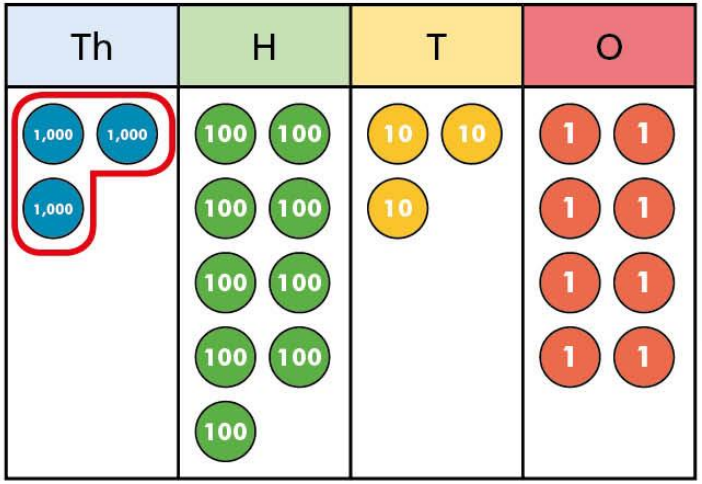
Lesson Aims

- I can divide with remainers
- Watch this video
- https://vimeo.com/413577975

Divide with remainders

1 **a)** Circle the groups of 3 to help complete the sentences and calculation.

The first step has been done for you.



		1				
	3	3	9	3	8	

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1

There is [1] group of 3 thousands.

There are [ ] groups of 3 hundreds.

There is [ ] group of 3 tens.

There are [ ] groups of 3 ones.

There are [ ] ones left over.

3,938 ÷ 3 = [ ] remainder [ ]

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1 **b)** Use place value counters to work out 8,407 ÷ 4

Th	H	T	O

	4	8	4	0	7	

8,407 ÷ 4 = ☐ remainder ☐

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2 **a)** Complete the divisions.

Use place value counters to help you.

	3	7	5	9	5		

	4	8	5	6	7		

	5	6	5	6	2		

	3	3	9	3	5		

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2 **b)** Write <, > or = to complete the statements.

7,595 ÷ 3 ◯ 8,567 ÷ 4

6,562 ÷ 5 ◯ 3,935 ÷ 3

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3 Write the calculations in the correct column of the table.

5,066 ÷ 4	9,513 ÷ 4	1,234 ÷ 4
6,562 ÷ 4	6,563 ÷ 4	9,515 ÷ 4

Remainder of 1	Remainder of 2	Remainder of 3	Remainder of 4

Are any columns empty? Talk to a partner about why this has happened.

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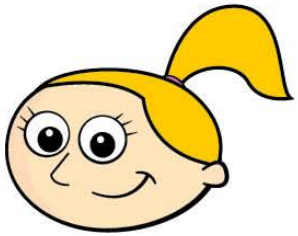
4

7,816	7,861	6,781	1,786

I know that if I divide these numbers by 5 the remainder will be 1



Is Eva correct? _____

How do you know?

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5 There are 459 children in a school.

They are sitting at tables in groups of 7

Do you agree with Mo? _____

Explain your answer.

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6 Bags of crisps are put into multipacks of 6

The multipacks are then packed into boxes of 8

Yesterday, 6,500 bags of crisps were packed.

How many boxes of crisps were packed?

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7

2	3	4	5

			÷	

a) How many ways can you complete the calculation using all the digit cards so that there is a remainder of 1?

b) What do you notice?

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8 Dora is thinking of a number between 500 and 600

When she divides it by a 1-digit number it has a remainder of 4

What could Dora's number be?

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Fluency Activity

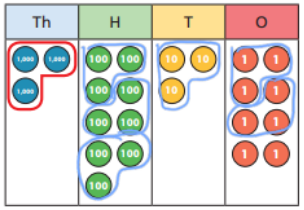
- See activity sheet Day 4
- Complete as many questions as you are able.

Fluency Activity Answers

Divide with remainders

1 **a)** Circle the groups of 3 to help complete the sentences and calculation.

The first step has been done for you.



		1	3	1	2	r2
	3	3	9	3	8	

There is [1] group of 3 thousands.

There are [3] groups of 3 hundreds.

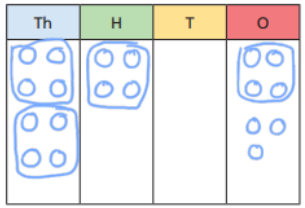
There is [1] group of 3 tens.

There are [2] groups of 3 ones.

There are [2] ones left over.

3,938 ÷ 3 = [1,312] remainder [2]

b) Use place value counters to work out 8,407 ÷ 4



		2	1	0	1	r3
	4	8	4	0	7	

8,407 ÷ 4 = [2,101] remainder [3]

2 **a)** Complete the divisions.

Use place value counters to help you.

		2	5	3	1	r2
	3	7	15	9	5	

		2	1	4	1	r3
	4	8	5	16	7	

		1	3	1	2	r2
	5	6	15	6	12	

		1	3	1	1	r2
	3	3	9	3	5	

b) Write <, > or = to complete the statements.

7,595 ÷ 3 [>] 8,567 ÷ 4

6,562 ÷ 5 [>] 3,935 ÷ 3

Fluency Activity Answers

3 Write the calculations in the correct column of the table.

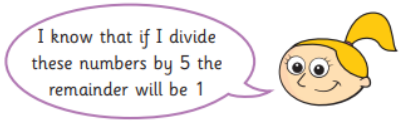
5,066 ÷ 4	9,513 ÷ 4	1,234 ÷ 4
6,562 ÷ 4	6,563 ÷ 4	9,515 ÷ 4

Remainder of 1	Remainder of 2	Remainder of 3	Remainder of 4
9,513 ÷ 4	5,066 ÷ 4 6,562 ÷ 4 1,234 ÷ 4	6,563 ÷ 4 9,515 ÷ 4	

Are any columns empty? Talk to a partner about why this has happened.

4

7,816	7,861	6,781	1,786



Is Eva correct? Yes

How do you know?

5 There are 459 children in a school.

They are sitting at tables in groups of 7

Do you agree with Mo? NO

Explain your answer.

6 Bags of crisps are put into multipacks of 6

The multipacks are then packed into boxes of 8

Yesterday, 6,500 bags of crisps were packed.

How many boxes of crisps were packed?

135

7

2	3	4	5				
						÷	

a) How many ways can you complete the calculation using all the digit cards so that there is a remainder of 1?

Eg. 325 ÷ 4 = 81 r1

b) What do you notice?

8 Dora is thinking of a number between 500 and 600

When she divides it by a 1-digit number it has a remainder of 4

What could Dora's number be?

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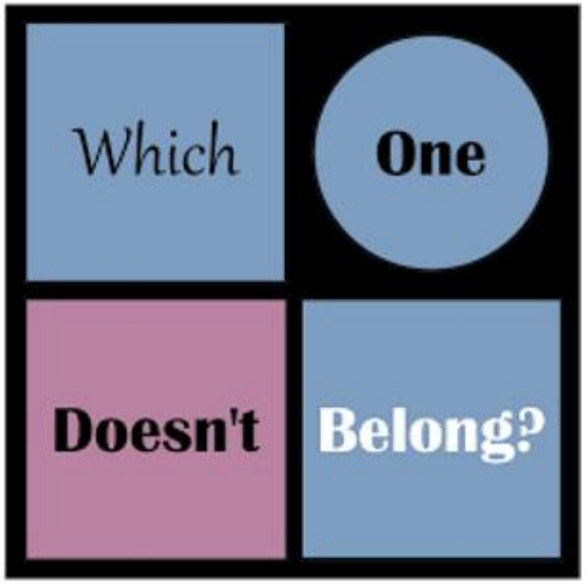
Problem Solving



Problem Solving

- How many ways can you find?

2 + 4 + 8	7 + 6 + 7
6 + 11 + 5	2 + 9 + 4 + 3

Problem Solving

- How many different ways did you find?
- Can you explain your reasoning?