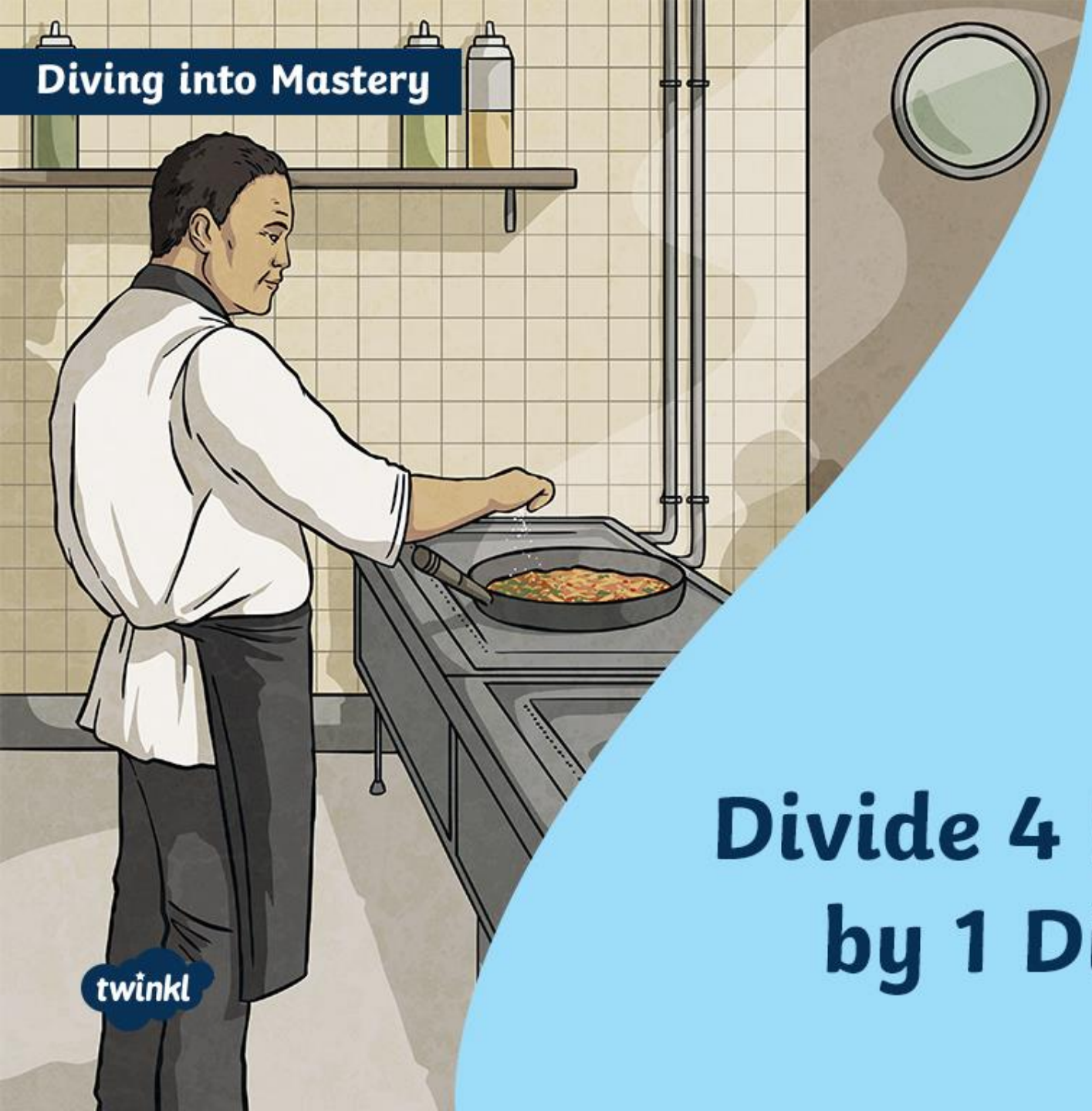

Divide 4 Digits by 1 Digit

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:

Diving

Deeper

Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

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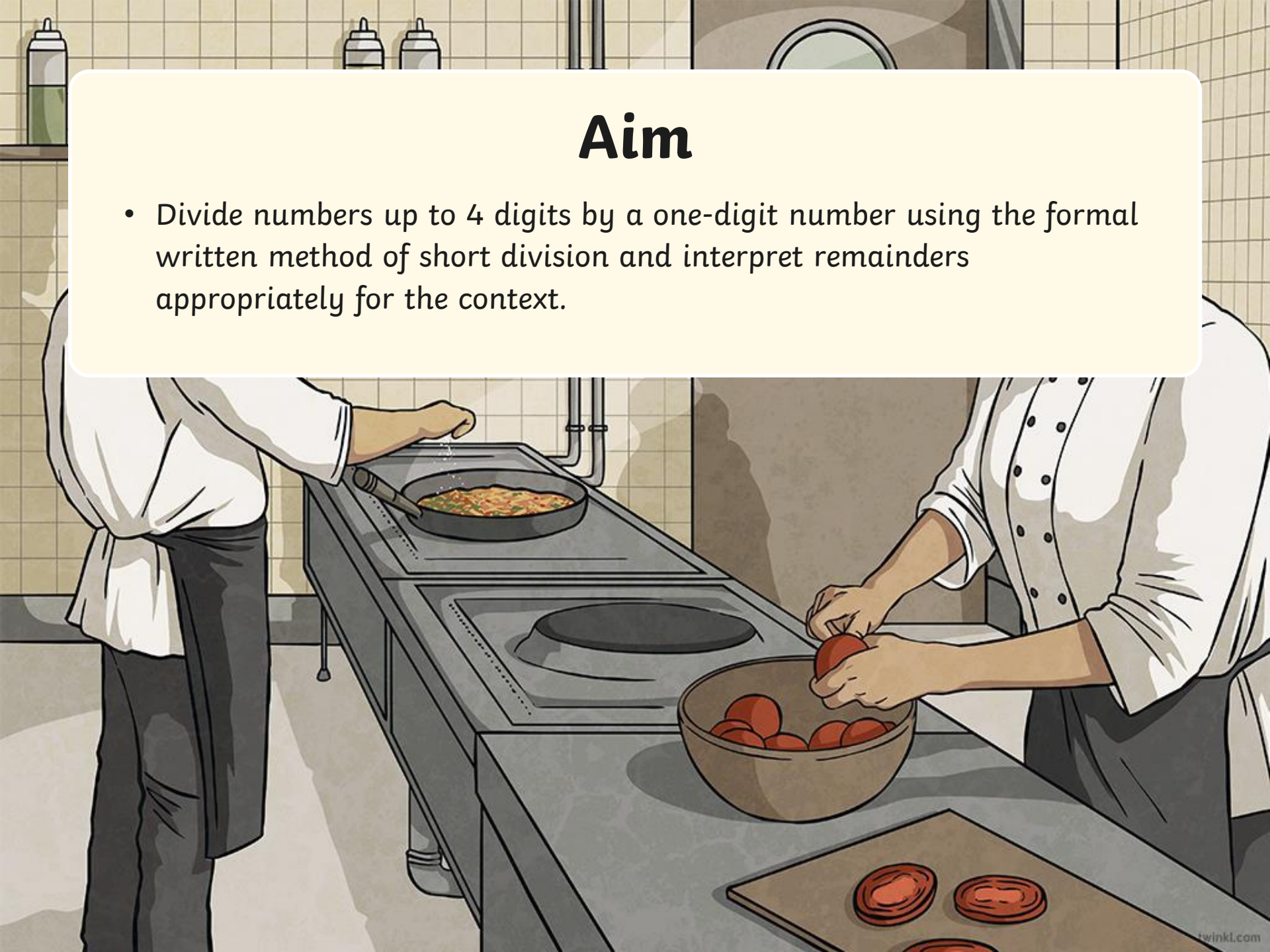
Aim

- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.



Divide 4 Digits by 1 Digit

Diving

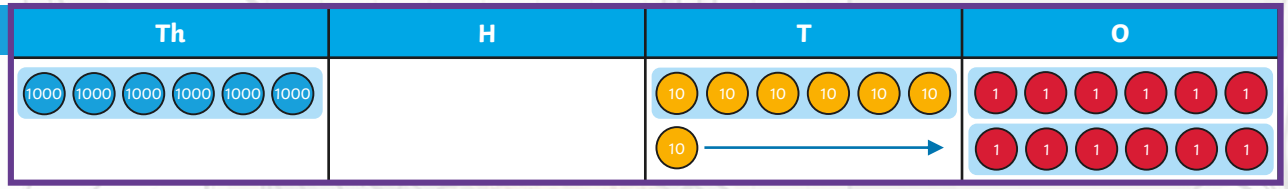
Match each division question with its place value representation and short division calculation. Click each division to reveal the answer.

A 4209 ÷ 3 = 1403

B 1055 ÷ 5 = 211

C 6072 ÷ 6 = 1012

D



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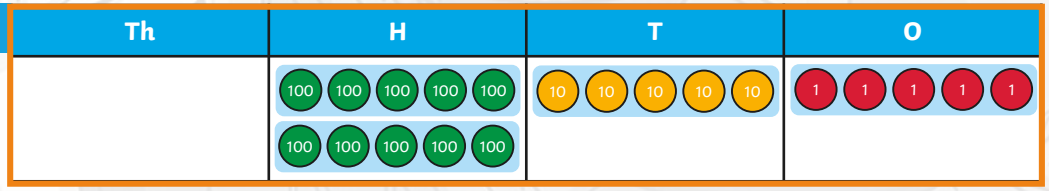

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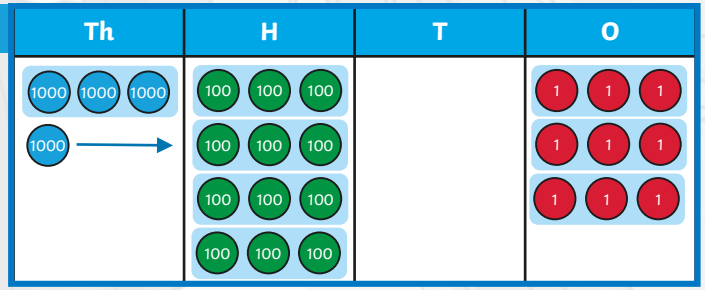

G

	1	0	1	2
6	6	0	7	$^{1}2$

H

	1	4	0	3
3	4	$^{1}2$	0	9

I

	0	2	1	1
5	1	$^{1}0$	5	5

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Divide 4 Digits by 1 Digit | Diving

Copy and solve the division problems. Each problem will reveal the amount needed for each item on the Chef's shopping list. Complete the recipe for the chef and save the day!

a)

	2	1	7	2
3	6	5	$^{2}1$	6

b)

	1	1	4	2
4	4	5	$^{1}6$	8

c) 8414 ÷ 7 = **1202**

d) 8406 ÷ 6 = **1401**

Chef's Shopping List

a) **2172** kg flour

b) **1142** ml milk

c) **1202** kg sugar

d) **1401** ml cream

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Divide 4 Digits by 1 Digit | Deeper

Fernando the chef is trying to complete a calculation for ingredients. He has started but is stuck and doesn't know what to do next. Why is Fernando stuck? Explain your thinking and work out the calculation for him.

Fernando has incorrectly calculated 21(hundreds) divided by 7 as 2(hundreds) when it should be 3. He's stuck because 88 divided by 7 will give a 2 digit answer. The correct calculation is:

		3	1	2
7	2	$^{2}1$	8	$^{1}4$

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Divide 4 Digits by 1 Digit

Deepest

Can you identify the missing digits in these calculations?

		7	2	4
4	2	8	9	6

	2	4	2	8
3	7	2	8	4

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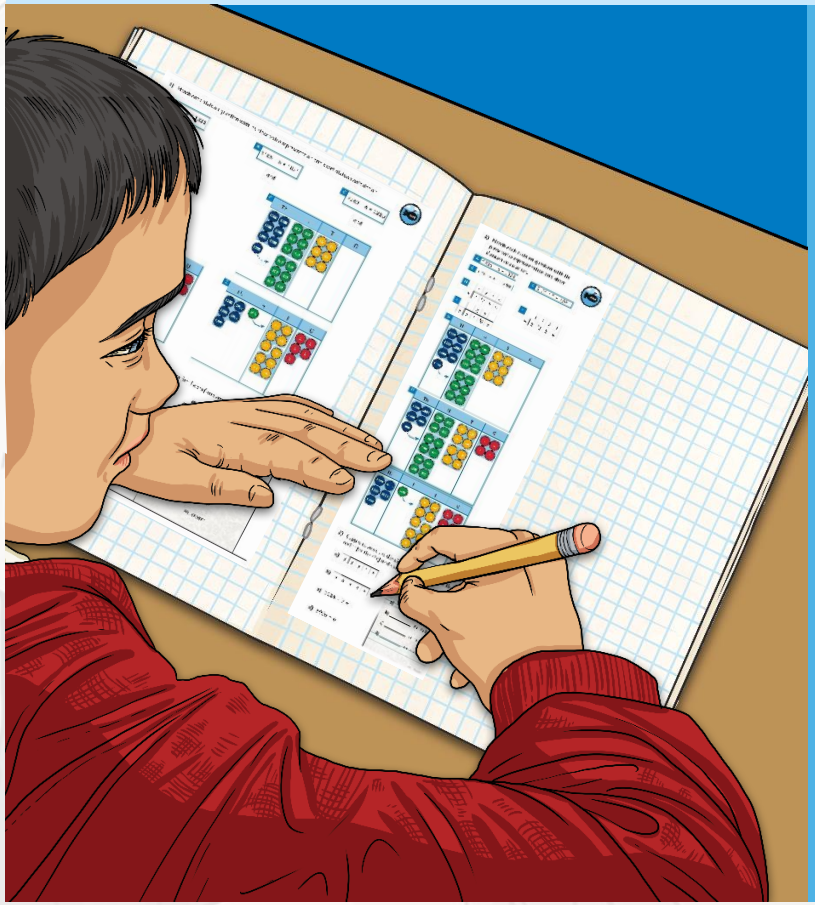
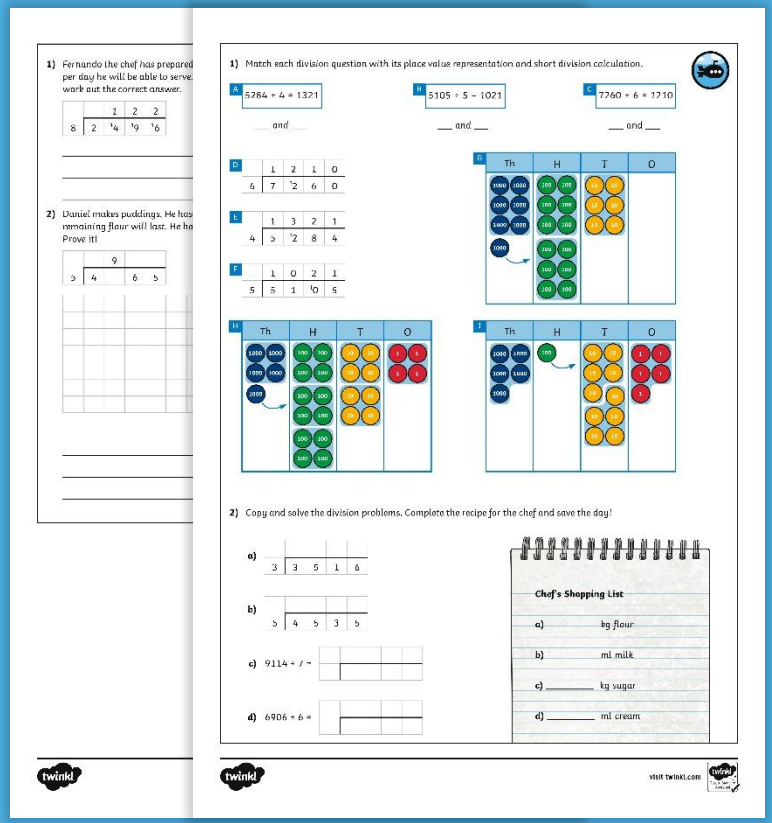
Divide 4 Digits by 1 Digit

Dive in by completing your own activity!





1) Fernando the chef has prepared
per day he will be able to serve.
work out the correct answer.

	1	2	2
8	2	¹4	¹⁹	¹⁶

2) Daniel makes puddings. He has
remaining flour will last. He ha
Prove it!

		9	
3	4		6	5

1) Match each division question with its place value representation and short division calculation.

A 5284 ÷ 4 = 1321 ___ and ___

B 5105 ÷ 5 = 1021 ___ and ___

C 7760 ÷ 6 = 1210 ___ and ___

D

	1	2	1	0
6	7	¹2	6	0

E

	1	3	2	1
4	5	¹2	8	4

F

	1	0	2	1
5	5	1	¹0	5

G

Th	H	T	O

H

Th	H	T	O

I

Th	H	T	O

2) Copy and solve the division problems. Complete the recipe for the chef and save the day!

a)

	3	3	5	1	6

b)

5	4	5	3	5	

c) 9114 ÷ 7 =

d) 6906 ÷ 6 =

Chef's Shopping List

a) ___ kg flour

b) ___ ml milk

c) ___ kg sugar

d) ___ ml cream

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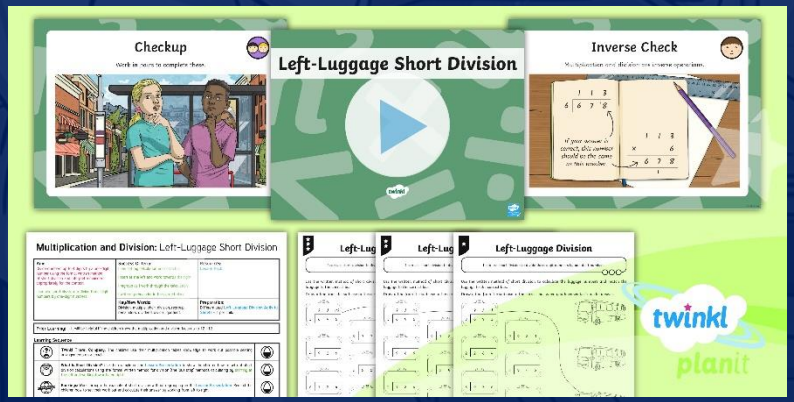
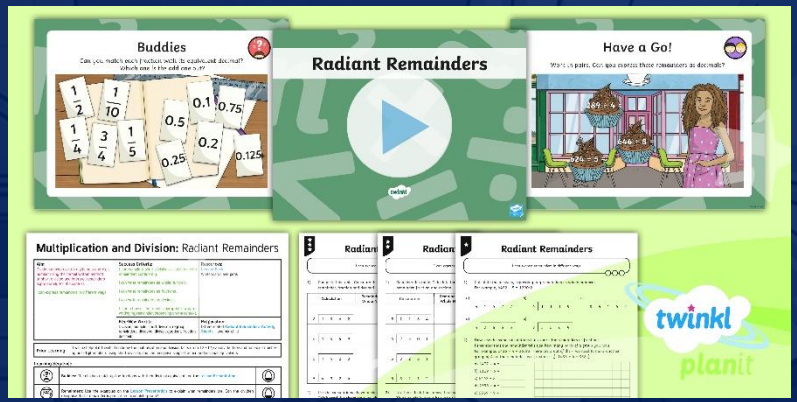
Need Planning to Complement this Resource?

National Curriculum Aim

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.

For more planning resources to support this aim, [click here](#).





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