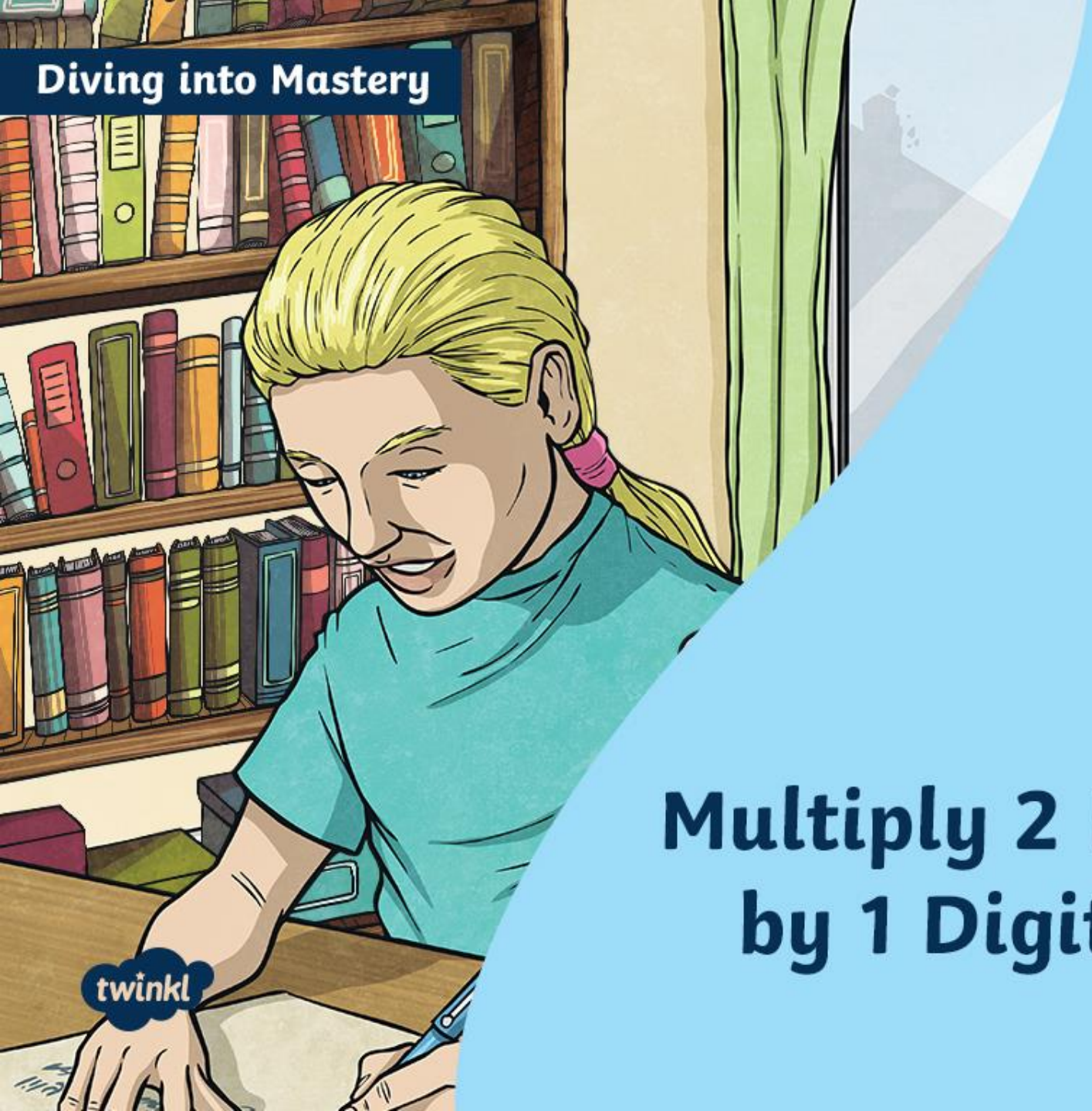


Multiply 2 Digits by 1 Digit (1)

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:

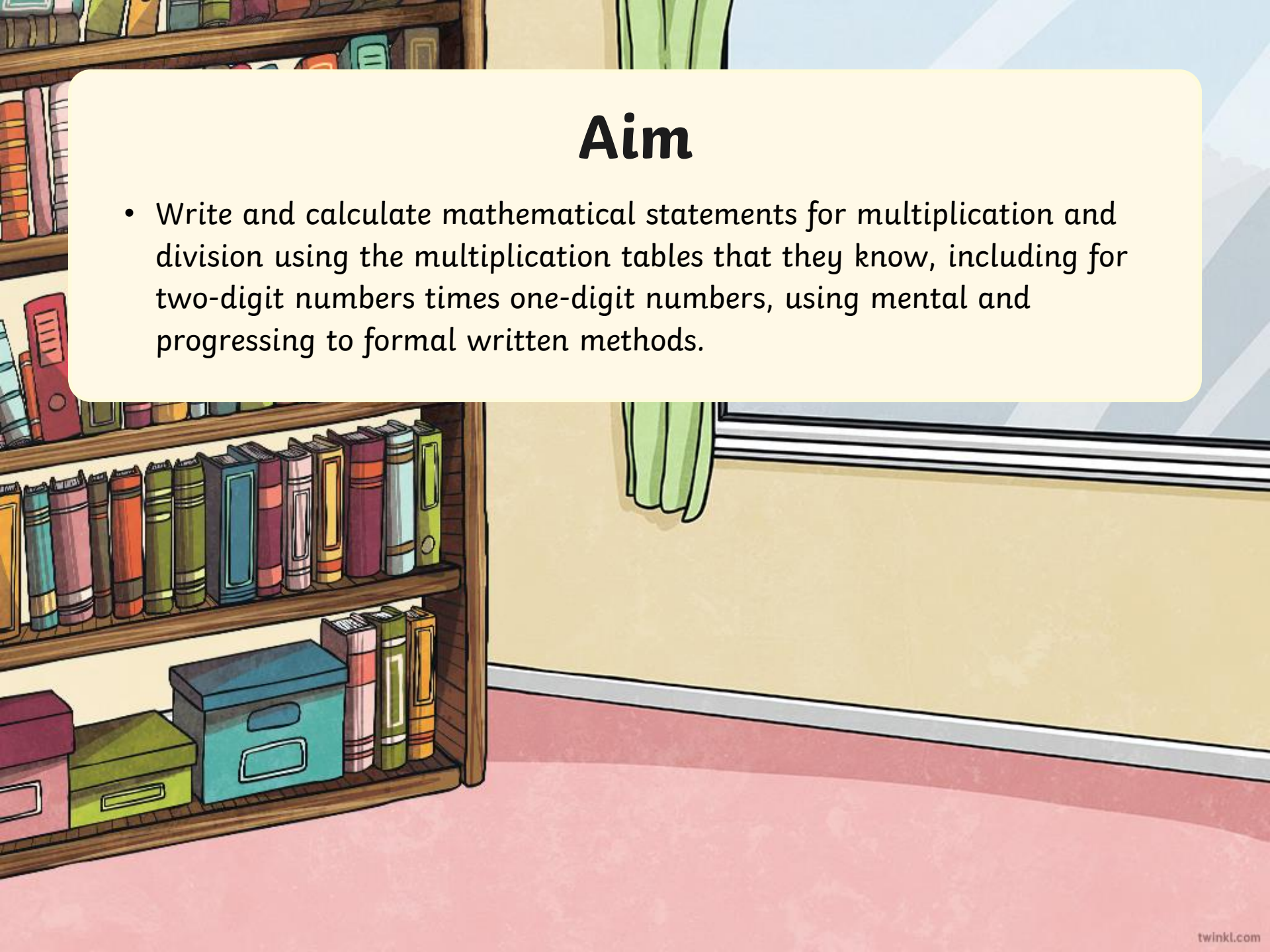
Diving

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.



Aim

- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

Multiply 2 Digits by 1 Digit (1)

Diving

Complete each calculation to match the representation shown in the picture.

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

$22 \times 4 = 88$

Tens	Ones
	
	
	

$13 \times 3 = 39$

Multiply 2 Digits by 1 Digit (1)

Diving

How would you use place value counters to represent the calculation and find the answer?

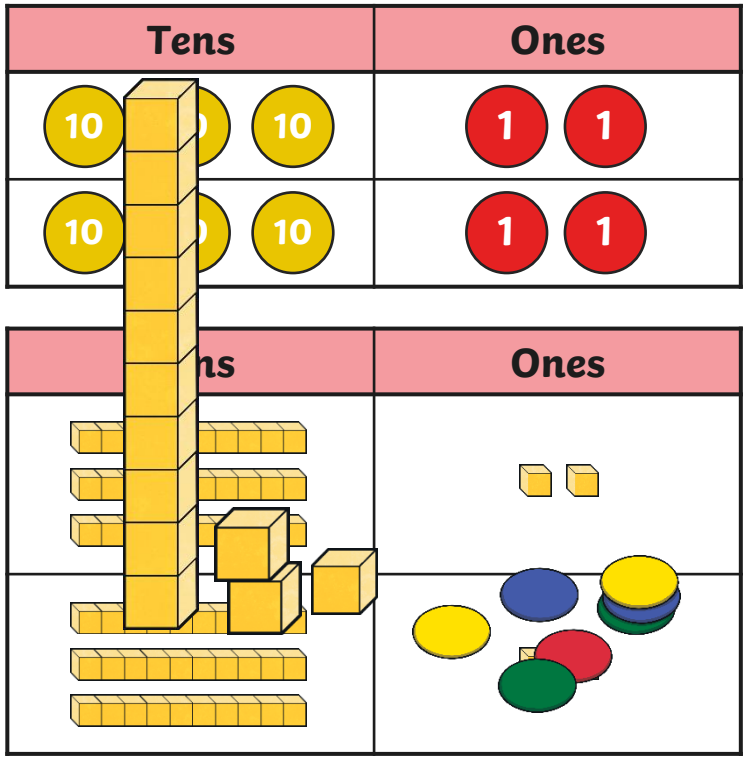
$21 \times 3 = \boxed{63}$

Tens	Ones
10 10	1
10 10	1
10 10	1

Multiply 2 Digits by 1 Digit (1) | Diving

Use place value counters or base ten to find the answer to this calculation. Then, show the answer as column multiplication.

	3	2
×		2
	6	**4**



Multiply 2 Digits by 1 Digit (1)

Deeper

Diana has used place value counters to represent a calculation. Which calculation has she represented? What would the answer be?

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

23 × 3

32 × 2

32 × 3

Diana has made 3 lots of 32, which represents 32 × 3.

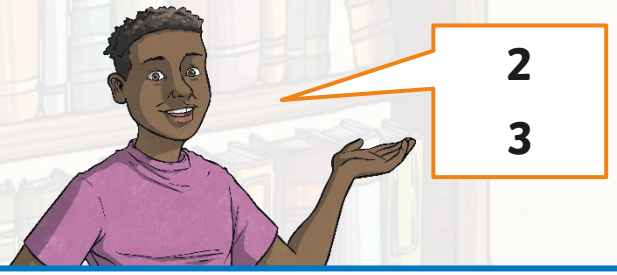
32 × 3 = 96

Multiply 2 Digits by 1 Digit (1)

Deepest

Use these numbers to solve the problems below.

You may need to use some numbers more than once. For each question, you should always use one number from each group in your calculation.



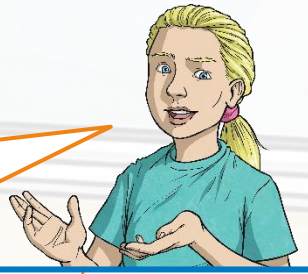
2

3

12

14

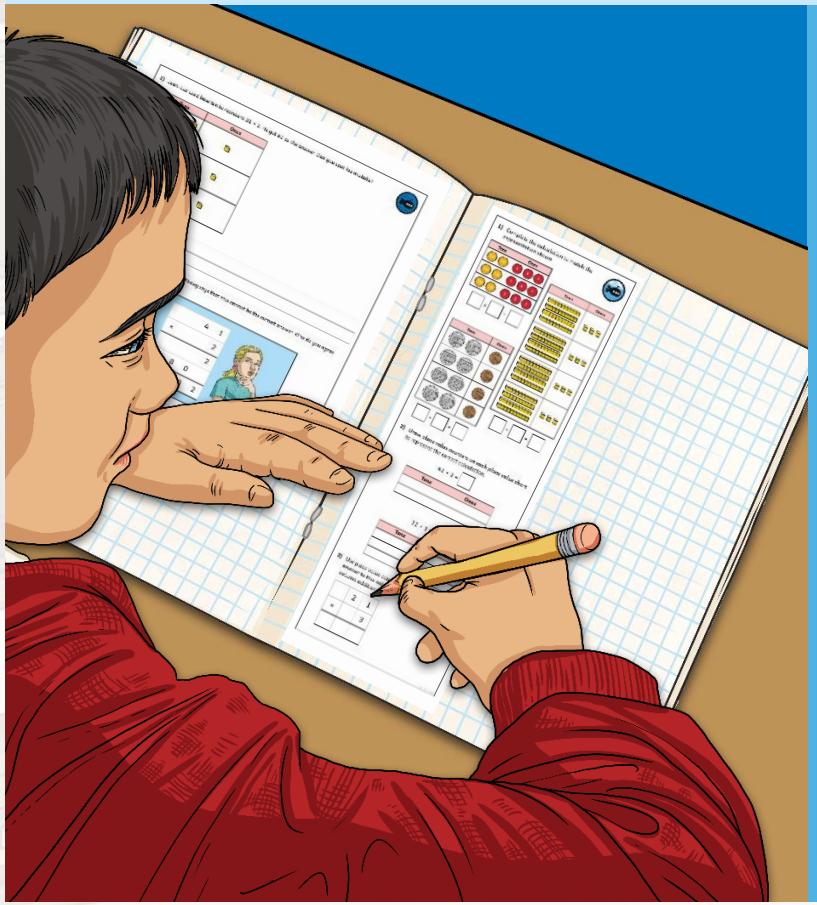
23

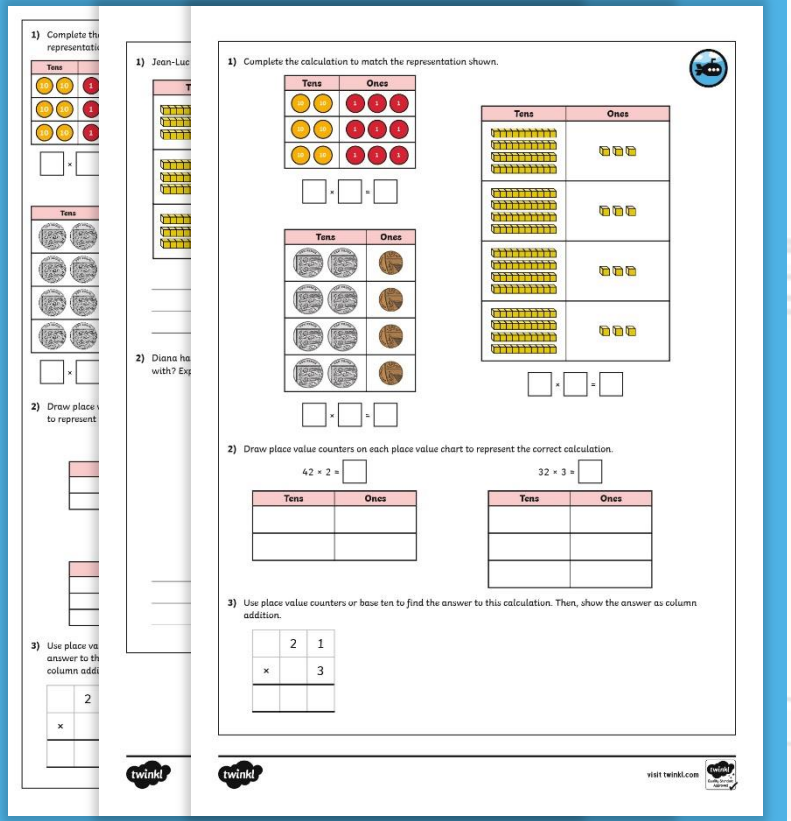


Write a multiplication calculation with an answer that is one less than 70.	23 × 3 = 69
Write a multiplication calculation that does not need an exchange and has an answer that has 4 tens.	23 × 2 = 46
Write all the multiplication calculations that do not need an exchange and have answers that are even numbers.	12 × 2 = 24 12 × 3 = 36 14 × 2 = 28 23 × 2 = 46

Multiply 2 Digits by 1 Digit (1)

Dive in by completing your own activity!



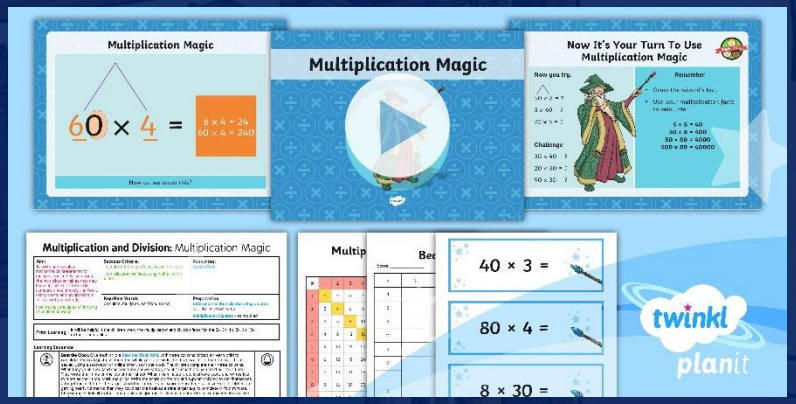


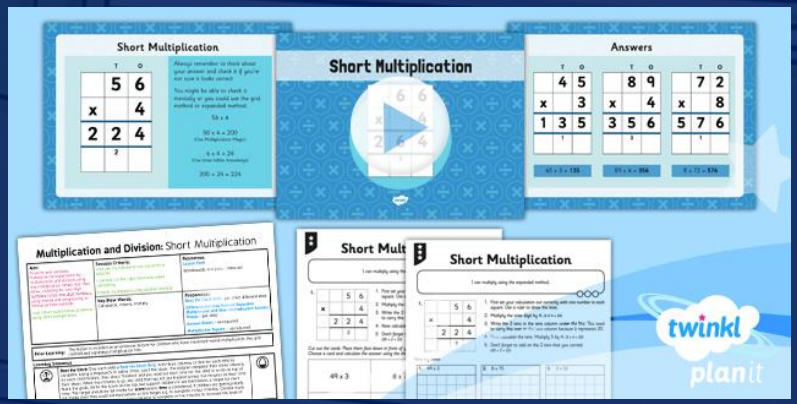
Need Planning to Complement this Resource?

National Curriculum Aim

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

For more planning resources to support this aim, click here.





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