





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:



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

 Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.

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Diving

Write the multiplication calculation which is represented by the place value counters.

3

9

3

3

2

6

X

3

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20





Diving

Write the multiplication calculation which is represented by the place value counters.

5

0

X

3

0

2

2

4

5

1

2

6

2

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ThousandsHundredsTensOnesWrite
proble
couldImage: Color of the color o

Diving

Write a word problem which could be solved by the calculation represented by the place value counters.

The place value counters show 3105×3 .

Here is one possible word problem: Jasmine packs 3105 pies a day. How many pies does she pack after 3 days?



Deeper

Can you identify the errors that have been made in these short multiplication calculations? Carry out the calculations correctly to find the correct products.

2 3 The correct answer is 4 6 14 586. X 5 8 4 1×6 has been recorded as 2 1 I whereas it is in fact 6. The correct answer is 3 4 1 5 10 245. 3 X 2 3 5 The regrouped ten has not 0 been added to the 3 lots of tens to make 4 tens.

Deepest

Can you identify the missing digits in these calculations?

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Dive in by completing your own activity!



Need Planning to Complement this Resource?

National Curriculum Aim

Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.

For more planning resources to support this aim,

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