

11.01.21

LO: Multiply 3-digits by  
2-digits.

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## Independent work

1. Complete the worksheet.
2. Have a go at the extension activities.
3. Write a self-assessment.



5 Some children are asked to work out  $308 \times 19$

a) Which is the best estimate to use to check their answers?

Circle your choice and work out the answer to your estimate.

$300 \times 10$        $300 \times 20$        $310 \times 20$        $300 \times 19$

estimate answer =

b) Explain the reasons for your choice.

c) Here are answers given by three children.

28,028       5,852       2,080

From your estimate, who do you think is correct? \_\_\_\_\_

d) Work out the correct answer.

e) What mistakes might the others have made?

6 A football pitch is 128 m long and 52 m wide.

a) What is the area of the pitch?

b) A field is 25,000 m<sup>2</sup>.

How many football pitches could fit in it?

7 Write  $>$ ,  $<$  or  $=$  to complete each statement.

a)  $146 \times 64$    $164 \times 46$

$135 \times 53$    $153 \times 35$

b) What do you notice?

Does this always happen?

8 Miss Rose is ordering some pencils.

She orders 17 of pack A, 14 of pack B and 4 of pack C.

Pack A



Pack B



Pack C



How many pencils does Miss Rose order?

Each pencil costs 16p.

How much does Miss Rose spend on pencils?

# True or False ?

Multiply 3-digits by 2-digits

$$647 \times 43 = 647 \times 3 + 647 \times 40$$

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$$22 \times 111 = 2442$$

$$23 \times 111 = 2553$$

$$24 \times 111 = 2664$$

What do you think the answer to  $25 \times 111$  will be?

What do you notice?

Does this always work?

Pencils come in boxes of 64

A school bought 270 boxes.

Rulers come in packs of 46

A school bought 720 packs.

How many more rulers were ordered than pencils?



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Here are examples of Dexter's maths work.

			9	8	7					
x				7	6					
		5	<sup>5</sup> 9	<sup>4</sup> 2	2					
		6	<sup>6</sup> 9	<sup>4</sup> 0	9					
	1	<sub>1</sub> 2	8	<sub>1</sub> 3	1					

				3	2	4				
x					7	8				
					5	9	2			
			<sub>2</sub>	<sub>1</sub>	<sub>3</sub>					
	<sub>2</sub>	<sub>1</sub>	<sub>2</sub>	<sub>2</sub>	6	8	0			
			3	2	7	2				

He has made a mistake in each question.

Can you spot it and explain why it's wrong?

Correct each calculation.

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Extension:

Complete:

		1	3	2
×			1	4
		5	2	8
	1	3	2	0

Use this method to calculate:

$(132 \times 4)$      $264 \times 14$      $264 \times 28$

$(132 \times 10)$

What do you notice about your answers?

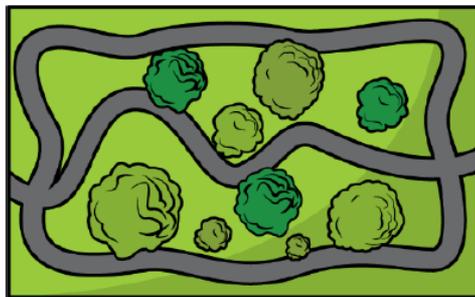
Calculate:

$637 \times 24$

$573 \times 28$

$573 \times 82$

A playground is 128 yards by 73 yards.



Calculate the area of the playground.

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LO: **Multiply** 3-digits by 2-digits.

Use your **purple pen**:

What skills have you developed this week when learning the formal method for multiplication?