

Multiply a 3-digit number by a 2-digit number

1 Work out the multiplications.

- a) 13×3 c) 25×4
 13×30 25×40
 b) 130×2 d) 204×4
 130×20 204×40

2 Complete the multiplications.

a)

			2	3	1	
	x			1	3	
			6	9	3	
			2	3	1	0

(231 × 3)

(231 × 10)

b)

			5	1	2	
	x			2	4	
			2	0	4	8
		1	0	2	4	0

3 Brett is calculating 216×23

	2	1	6	
x		2	3	
	6	4 ₁	8	0
		4	3 ₁	2
	6	9 ₁	1	2

What mistake has Brett made?

What is the correct answer?

4 Work out the multiplications.

- a) 142×31 b) 337×46 c) 214×53 d) 24×183

5 Some children are asked to work out 308×19

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

- 300 × 10** **300 × 20** **310 × 20** **300 × 19**

Work out the answer to your estimate.

Explain the reasons for your choice.

b) Here are answers given by three children.

- Nijah** 28,028 **Filip** 5,852 **Scott** 2,080

From your estimate, who do you think is correct?

c) Work out the correct answer.

d) 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 m²

How many football pitches could fit on it?

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$$\begin{array}{r} 216 \\ \times 23 \\ \hline 6480 \\ 432 \\ \hline 6912 \end{array}$$

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

a) 146×64 164×46 b) 135×53 153×35

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



a) How many pencils does Miss Rose order?

b) Each pencil costs 16p.

How much does Miss Rose spend on pencils?