

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

1 Complete the multiplications.

a)  $13 \times 3 =$

c)  $25 \times 4 =$

$13 \times 30 =$

$25 \times 40 =$

b)  $130 \times 2 =$

d)  $204 \times 4 =$

$130 \times 20 =$

$204 \times 40 =$

2 Complete the multiplications.

a)

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

$(231 \times 3)$

$(231 \times 10)$

b)

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

(   $\times$   )  
(   $\times$   )

3 Brett is calculating  $216 \times 23$

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

What mistake has Brett made?

What is the correct answer?

4 Complete the multiplications.

a)  $142 \times 31 =$


c)  $214 \times 53 =$


b)  $337 \times 46 =$


d)  $24 \times 183 =$


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 =

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.

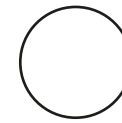
a) What is the area of the pitch?

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

How many football pitches could fit on it?

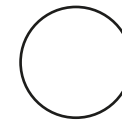
7 Write  $>$ ,  $<$  or  $=$  to complete each statement.

a)  $146 \times 64$



$164 \times 46$

b)  $135 \times 53$



$153 \times 35$

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.

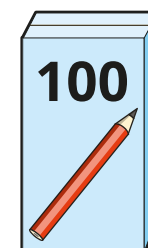
Pack A



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?