

# Multiply 3-digits by 2-digits

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			
	3	0	0	3			
		1	1				

(231 × 3)

(231 × 10)

b)

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

(  ×  )

(  ×  )

3 Brett is calculating  $216 \times 23$

	2	1	6
x		2	3
	6	4 <sub>1</sub>	8 0
	4	3 <sub>1</sub>	2
	6	9 <sub>1</sub>	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 =  $6,200$

b) Explain the reasons for your choice.

c) Here are answers given by three children.

Nijah 28,028

Filip 5,852

Whitney 2,080

From your estimate, who do you think is correct? Filip

d) Work out the correct answer.

$5,852$

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?

$6,656 \text{ m}^2$

b) A field is 25,000  $\text{m}^2$ .

How many football pitches could fit in it?

$3$

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?

$697$

Each pencil costs 16p.

How much does Miss Rose spend on pencils?

$\text{£}11.52$