

# 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
				1	3
x			6	9	3
<hr/>					
		2	3	1	0
<hr/>					
<hr/>					

$(231 \times 3)$

$(231 \times 10)$

b) 

				5	1	2	
					2	4	
x				2	0	4	8
<hr/>							
		1	0	2	4	0	
<hr/>							
<hr/>							

$(\text{ } \times \text{ } )$

$(\text{ } \times \text{ } )$

3 Brett is calculating  $216 \times 23$

		2	1	6
x			2	3
<hr/>				
	6	4 <sub>1</sub>	8	0
<hr/>				
		4	3 <sub>1</sub>	2
<hr/>				
	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 =

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.

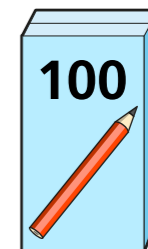
Pack A



Pack B



Pack C



How many pencils does Miss Rose order?

Each pencil costs 16p.

How much does Miss Rose spend on pencils?