1 Work out the multiplications.

a) 13 × 3
    13 × 30

b) 130 × 2
    130 × 20

c) 25 × 4
    25 × 40

d) 204 × 4
    204 × 40

2 Complete the multiplications.

a)

			2	3	1	
		×		1	3	
			6	9	3	(231 × 3)
		2	3	1	**0**	(231 × 1**0**)

b)

				5	1	2	
		×			2	4	
			2₂	0	4	8	
		1₁	0	2	4	0	

(☐ × ☐)

(☐ × ☐)

3 Brett is calculating 216 × 23

$$
\begin{array}{ccccc}
 & & 2 & 1 & 6 \\
\times & & & 2 & 3 \\
\hline
6 & 4_1 & 8 & 0 \\
 & 4 & 3_1 & 2 \\
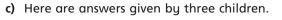\hline
6 & 9_1 & 1 & 2 \\
\hline
\end{array}
$$

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?

Work out the answer to your estimate.

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

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?

d) Work out the correct answer.

e) What mistakes might the others have made?

3 Brett is calculating 216 × 23

$$
\begin{array}{r}
2\ 1\ 6 \\
\times \qquad 2\ 3 \\
\hline
6\ 4_1\ 8\ 0 \\
4\ 3_1\ 2 \\
\hline
6\ 9_1\ 1\ 2 \\
\hline
\end{array}
$$

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?

Work out the answer to your estimate.

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

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?

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.

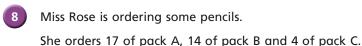**a)** What is the area of the pitch?

b) A field is 25,000 m².

How many football pitches could fit in it?

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

a)   146 × 64 $\bigcirc$ 164 × 46

135 × 53 $\bigcirc$ 153 × 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**

20   **100**

How many pencils does Miss Rose order?

Each pencil costs 16p.

How much does Miss Rose spend on pencils?