Multiply 2-digits by 2-digits

1 Complete the multiplications.

a) 6 × 6 = ☐

6 × 60 = ☐

b) 12 × 8 = ☐

12 × 80 = ☐

c) 32 × 3 = ☐

32 × 30 = ☐

d) 7 × 9 = ☐

7 × 90 = ☐

e) 21 × 4 = ☐

21 × 40 = ☐

f) 48 × 3 = ☐

48 × 30 = ☐

How did you work out your answers?

2 Fill in the missing numbers.

a)

			4	3	
	×		1	3	
		1_{1}	2	9	
		4	3	0	

(43 × 3)

(43 × 10)

c)

	×				
		1	0	5	
		4	2	0	

(21 × 5)

(21 × 20)

b)

			2	1	
	×		1	6	
		1_{1}	2	6	
		2	1	0	

(☐ × ☐)

(☐ × ☐)

3 Mo is calculating 34 × 23

Here is his working.

$$\begin{array}{r} 3\ 4 \\ \times\ 2\ 3 \\ \hline 1_{1}\ 0_{1}\ 2 \\ 6\ 8 \\ \hline 1\ 7_{1}\ 0 \end{array}$$

What mistake has Mo made?

What is the correct answer?

You may use the blank grid for your workings.

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4 Work out the multiplications.

a) 52 × 34 = ☐

c) 46 × 64 = ☐

b) 22 × 56 = ☐

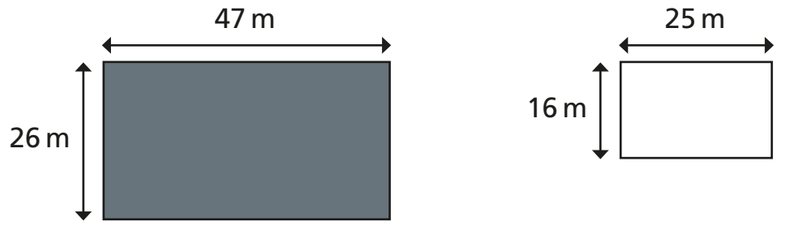
d) 47 × 63 = ☐

5 A machine prints 92 labels every minute.

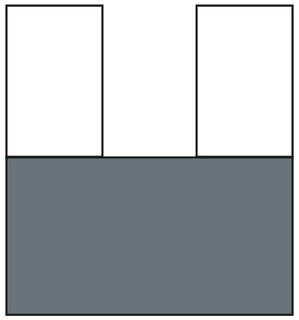
How many labels will it print in three-quarters of an hour?

☐

6 Here are two rectangles.

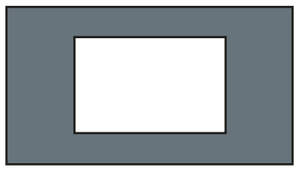


a) What is the area of this compound shape?



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b) What is the area of the shaded part?



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Compare methods and answers with a partner.
What is the same and what is different?

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