

Multiply a 2-digit number by a 2-digit number

1 Work out the multiplications.

a) 6×6

b) 12×8

c) 32×3

d) 21×4

6×60

12×80

32×30

21×40

How did you work out your answers?



2 Scott is working out 23×14

Use the area model to help complete Scott's workings.

×	10	4
20	200	80
3	30	12

			2	3	
	×		1	4	

(23×4)

(23×10)

$200 + 30 + 80 + 12 = 322$

3 Fill in the missing numbers.

a)

			4	3	
	×		1	3	
		1 ₁	2	9	
		4	3	0	

(43×3)

(43×10)

b)

			2	1	
	×		1	6	
		1 ₁	2	6	
		2	1	0	

c)

	×				
		1	0	5	
		4	2	0	

(21×5)

(21×20)

4 Tiny is calculating 34×23

Here are Tiny's workings.

		3	4
×		2	3
	1 ₁	0 ₁	2
		6	8
	1	7 ₁	0

a) What mistake has Tiny made?

b) What is the correct answer?



5 Work out the multiplications.

a) 52×3

b) 22×56

c) 46×64

d) 47×63

6 A machine prints 92 labels every minute.

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



c)

	x				
		1	0	5	
		4	2	0	

(21 × 5)

(21 × 20)

- 4 Tiny is calculating 34×23
Here are Tiny's workings.

		3	4
x		2	3
	1	0	2
		6	8
	1	7	0

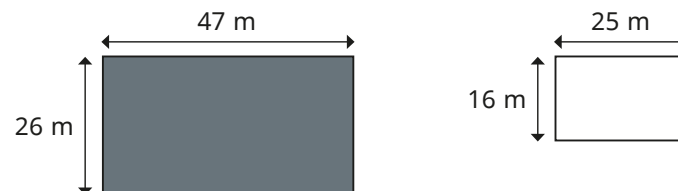
- a) What mistake has Tiny made?
b) What is the correct answer?

- 5 Work out the multiplications.

a) 52×3 b) 22×56 c) 46×64 d) 47×63

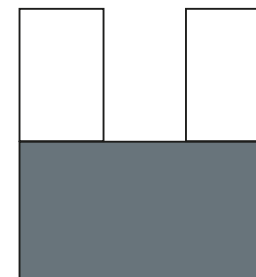
- 6 A machine prints 92 labels every minute.
How many labels will it print in three-quarters of an hour?

- 7 Here are two rectangles.



- a) This compound shape is made using one of the grey rectangles and two of the white rectangles.

What is the area of the compound shape?



- b) The white rectangle is placed on top of the grey rectangle to leave a shaded part.

What is the area of the shaded part?



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