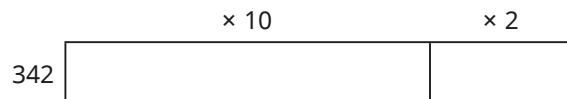


1 Use the bar models to work out the multiplications.

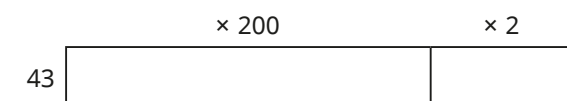
a) 342×12



b) 21×514



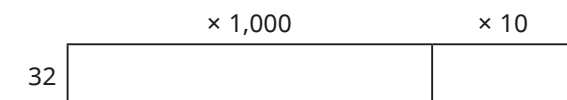
c) 202×43



d) A machine can pack 1,010 boxes each day.

There are 32 machines in a factory.

How many boxes can be packed in one day?



2 Eva is working out 32×19



I can multiply
32 by 20 and then
subtract 32

Use Eva's method to solve the problems.

a) 19 children are going on a school trip on the train.

A train ticket costs £24

What is the total cost of the tickets?

b) A house is 4 m tall.

A skyscraper is 39 times the height of the house.

What is the height of the skyscraper?

3



To multiply
by 5, I can multiply
by 10 and then halve
my answer.

Use Tiny's method to work out the multiplications.

a) 64×5

b) 5×286

c) 126×5

d) $5 \times 2,052$

4

Fill in the missing numbers.

a) $16 \times 6 = 8 \times \square$ so $16 \times 6 = \square$

b) $6 \times 24 = 12 \times \square$ so $6 \times 24 = \square$

c) $36 \times 4 = 12 \times \square$ so $36 \times 4 = \square$

5

Fill in the missing numbers.

Use the factors to help work out the multiplications.

a) $8 \times 15 = \square$
 $8 \times \begin{array}{|c|} \hline 5 \\ \hline \end{array} \times \begin{array}{|c|} \hline \square \\ \hline \end{array}$

c) $28 \times 3 = \square$
 $\begin{array}{|c|} \hline 4 \\ \hline \end{array} \times \begin{array}{|c|} \hline \square \\ \hline \end{array} \times 3$

b) $6 \times 24 = \square$
 $6 \times \begin{array}{|c|} \hline \square \\ \hline \end{array} \times 12$

d) $32 \times 25 = \square$
 $\begin{array}{|c|} \hline \square \\ \hline \end{array} \times \begin{array}{|c|} \hline \square \\ \hline \end{array} \times 25$

3



To multiply
by 5, I can multiply
by 10 and then halve
my answer.

Use Tiny's method to work out the multiplications.

- a) 64×5 b) 5×286 c) 126×5 d) $5 \times 2,052$

4

Fill in the missing numbers.

a) $16 \times 6 = 8 \times \square$ so $16 \times 6 = \square$

b) $6 \times 24 = 12 \times \square$ so $6 \times 24 = \square$

c) $36 \times 4 = 12 \times \square$ so $36 \times 4 = \square$

5

Fill in the missing numbers.

Use the factors to help work out the multiplications.

a)

$$8 \times 15 = \square$$

$$8 \times \boxed{5} \times \boxed{}$$

c)

$$28 \times 3 = \square$$

$$\boxed{4} \times \boxed{} \times 3$$

b)

$$6 \times 24 = \square$$

$$6 \times \boxed{} \times \boxed{12}$$

d)

$$32 \times 25 = \square$$

$$\boxed{} \times \boxed{} \times 25$$

6

There are 44 seats on a coach.

How many seats are there on 6 coaches?

Use factors to help you solve the problem.

7

How many different ways can you calculate 32×21 ?

Compare methods with a partner.

8

A laptop costs £199.99

What is the cost of 3 laptops?

9

$$\boxed{} \times \boxed{} = 684$$

Complete the multiplication in as many different ways as you can.

Compare answers with a partner.