

3 A paper clip is 3 cm long.



a) What is the total length of 2 paper clips?

 cm

b) What is the total length of 4 paper clips?

 cm

c) What is the total length of 8 paper clips?

 cm

1 How many legs are there altogether?

Complete the multiplications

a) × =

b) × =

c) × =

2 How many pencils are there?

Complete the multiplications.

a) × =

b) × =

c) × =

4 Complete the multiplications.

a) $1 \times 2 =$

b) $1 \times 4 =$

c) $1 \times 8 =$

$2 \times 2 =$

$2 \times 4 =$

$2 \times 8 =$

$3 \times 2 =$

$3 \times 4 =$

$3 \times 8 =$

$4 \times 2 =$

$4 \times 4 =$

$4 \times 8 =$

$5 \times 2 =$

$5 \times 4 =$

$5 \times 8 =$

What do you notice?

5 Complete the multiplications.

a) $6 \times 4 = \square$

e) $8 \times 4 = \square$

b) $2 \times 10 = \square$

f) $2 \times 11 = \square$

c) $7 \times 8 = \square$

g) $4 \times 9 = \square$

d) $12 \times 2 = \square$

h) $10 \times 8 = \square$

6 Work out the missing numbers.

a) $\square \times 8 = 16$

d) $8 \times \square = 0$

b) $4 \times \square = 20$

e) $2 \times 4 \times \square = 64$


c) $24 = \square \times 2$

f) $40 = \square \times 5 \times \square$

7 Work out the value of each shape.

 +  +  +  = 16

 \times  = 32

 \times 1 =  \times  \times 

 = 

 = 

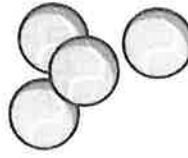
 = 

8 Tennis balls come in packets of 2, 4 and 8

Rosie buys 5 of each different size pack.

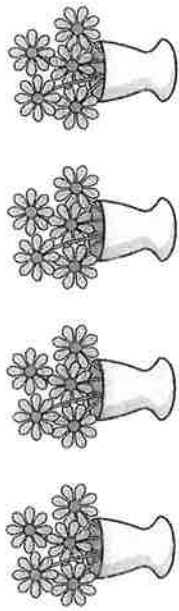
How many tennis balls does she buy altogether?

Show your workings.



1 Complete the number sentences to describe the pictures.

a)



$4 \times 5 = \square$

$20 \div 5 = \square$

b)



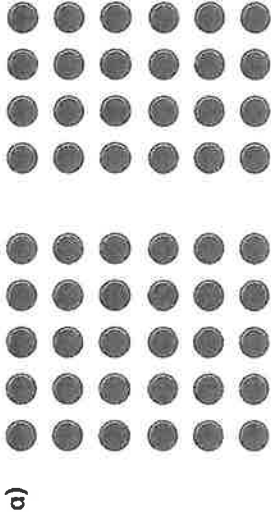
$5 \times 4 = \square$

$20 \div 4 = \square$

What is the same and what is different in parts a) and b)?

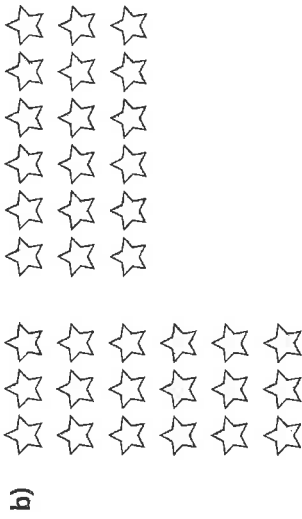


2 Write $<$, $>$ or $=$ to compare the arrays.



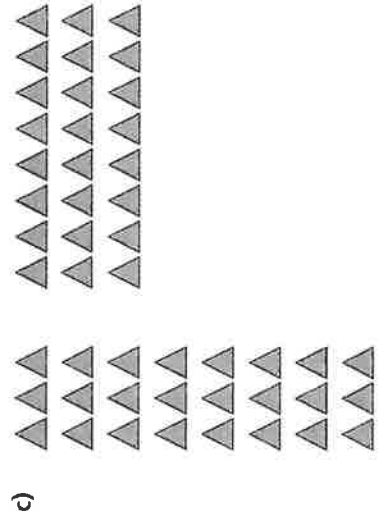
5×6

6×4



3×6

6×3



8×3

3×8



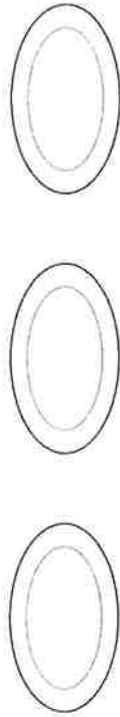
3 Rosie and Tommy each have 12 slices of melon.

a) Rosie shares her slices between 4 bowls.



How many slices are in each bowl?

b) Tommy shares his slices between 3 plates.



How many slices are on each plate?

c) Are there more slices of melon in a bowl or on a plate?
Explain your answer.

4 Write $<$, $>$ or $=$ to compare the calculations.

a) 4×3 2×6 c) 5×3 3×4

b) 8×3 4×6 d) 3×4 4×5

e) $20 \div 4$ $20 \div 5$ g) $30 \div 10$ $30 \div 6$

f) $24 \div 2$ $36 \div 3$ h) $18 \div 2$ $18 \div 3$

How did you work this out? Talk about it with a partner.

5 Here are some calculation cards.

$30 \div 6$	4×6	$27 \div 3$	4×8
8×3	12×2	5×6	$18 \div 3$

Write each calculation in the table.

Less than 6×4	Equal to 6×4	Greater than 6×4

Write one more calculation in each column.

Did you have to work out all the calculations?

6 Complete the statements.

a) $7 \times 3 >$ $\times 3$ c) $30 \div$ $=$ $\times 5$

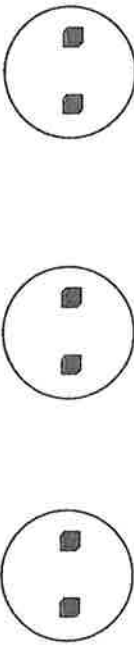
b) $24 \div$ $<$ 2×2 d) $12 \times$ $>$ $12 \div$

How many different ways can you complete the statements?

Wednesday

Related calculations

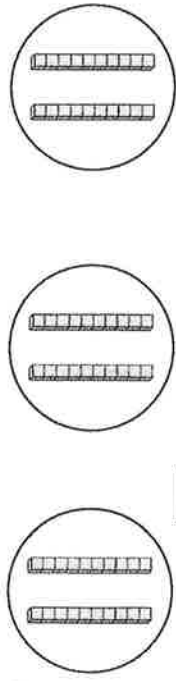
1 Complete the number sentences.

a) 

3×2 ones = ones

$3 \times 2 =$

b)



3×2 tens = tens

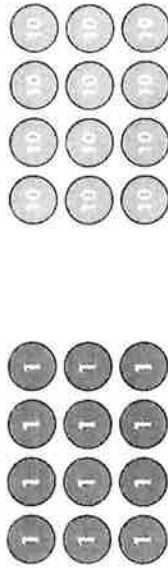
$3 \times 20 =$

2 Use base 10 to represent the multiplications.

Complete the number sentences.

a) $2 \times 4 =$
 $2 \times 40 =$
 b) $5 \times 3 =$
 $5 \times 30 =$
 c) $5 \times 2 =$
 $5 \times 20 =$
 d) $2 \times 8 =$
 $80 \times 2 =$

3 Nijah makes these arrays.



Complete the number sentences.

$4 \times 3 =$


$4 \times 30 =$

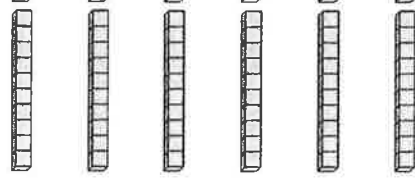
What is the same about the arrays? What is different?

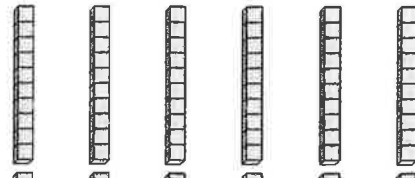
4

Scott uses base 10 to make two related calculations.

Use the base 10 to complete Scott's calculations.





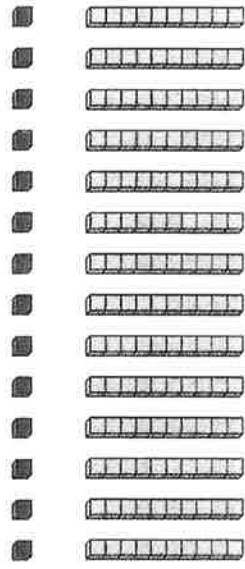


$6 \times 3 =$

$6 \times 30 =$

How does the answer to the first calculation help you work out the second calculation?

5 Use these pieces of base 10 to complete the divisions.



$$14 \div 2 = \square \quad 140 \div 2 = \square$$



I know
 $5 \times 7 = 35$

Use Dora's fact to complete the calculations.

- a) $5 \times 70 = \square$
- b) $7 \times 5 = \square$
- c) $50 \times 7 = \square$
- d) $35 \div 5 = \square$
- e) $350 \div 5 = \square$
- f) $350 \div 7 = \square$

7 Mr Jones buys 12 large jugs.

The total cost of the jugs is £240

How much does each jug cost?

Each jug costs

How did you work this out?



8 Complete the number sentences.

- a) $3 \times \square = 210$
- b) $240 \div 6 = \square$
- c) $4 \times 90 = \square$
- d) $120 \div \square = 2$

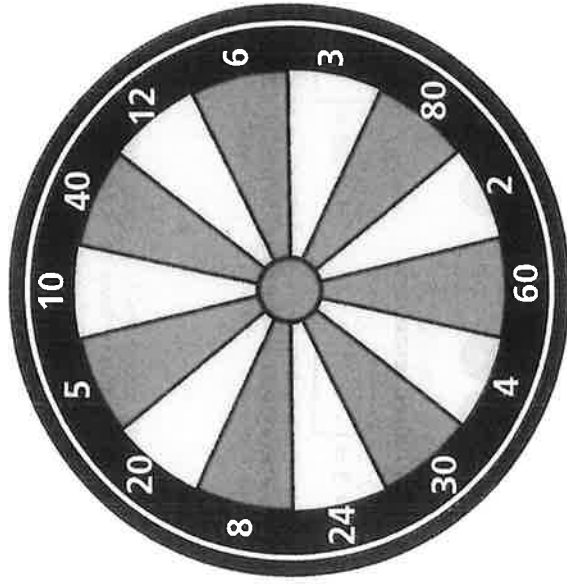
9 Huan throws two darts at the dartboard.

He multiplies the numbers he hits together.

Huan's score is 240

What two numbers could the darts have landed in?

and



How many different answers can you find?



Thursday

Multiply 2-digits by 1-digit (1)

1 Ron, Eva and Mo each have 23 marbles.

Tens	Ones
10 10	3 3 3
10 10	3 3 3
10 10	3 3 3

How many marbles are there in total?

3×3 ones =

3×2 tens =

+ =

$3 \times 23 =$

There are marbles in total.

2 Use the place value chart to work out 2×24

Complete the multiplication sentences.

Tens	Ones
20 20	1 1 1 1
20 20	1 1 1 1

$2 \times 4 =$
 $2 \times 20 =$
 $2 \times 24 =$

3 Annie works out $43 \times 2 = 86$

Tens	Ones
40 40	1 1 1 1
30 30	1 1 1 1

$$\begin{array}{r} \text{T O} \\ 43 \\ \times 2 \\ \hline 86 \end{array}$$

Talk about Annie's methods with a partner.

What is the same? What is different?

4 Complete the multiplications.

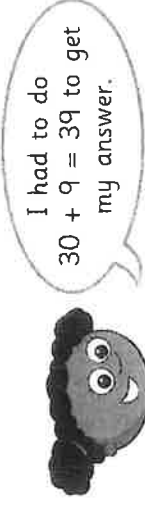
a) $\begin{array}{r} \text{T O} \\ 24 \\ \times 2 \\ \hline \end{array}$

b) $\begin{array}{r} \text{T O} \\ 44 \\ \times 2 \\ \hline \end{array}$

c) 31×3

d) 42×2

7 Whitney has multiplied a 2-digit number by a 1-digit number.



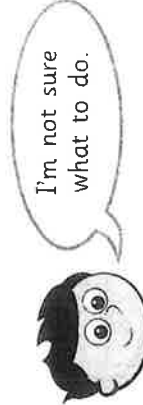
What numbers is Whitney multiplying?

Fill in the missing digits.

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \times \begin{array}{r} 39 \\ \hline \end{array}$$

5 Jack is trying to work out 34×2 using the column method.

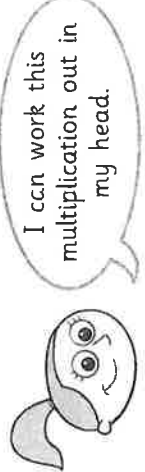
$$\begin{array}{r} 2 \\ \times 34 \\ \hline \end{array}$$



Show how Jack could improve his column method and work out the answer.

8 Filip used the column method to work out 41×2

$$\begin{array}{r} 41 \\ \times 2 \\ \hline \end{array}$$



a) How do you think Eva will work this out in her head?
 b) Tick the multiplications that you can work out in your head.

- 4×22
- 3×23
- 3×33
- 12×4
- 3×32
- 4×20

6 One toaster costs £32
 How much do 3 toasters cost?

