

MULTIPLY AND  
DIVIDE BY 9



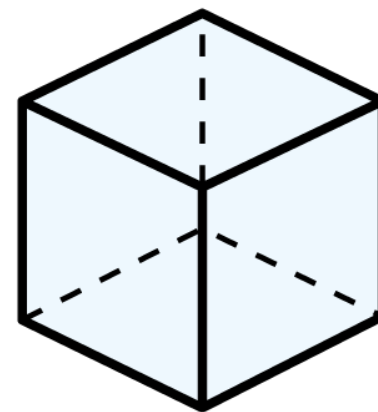
GET READY



1) How many faces does a cube have?

2) How many edges does a cube have?

3)  $9 \times 6 = 6 \times \square$



4)  $2 \times 3 =$

$2 \times 4 =$

$2 \times 5 =$

$3 \times 3 =$

$3 \times 4 =$

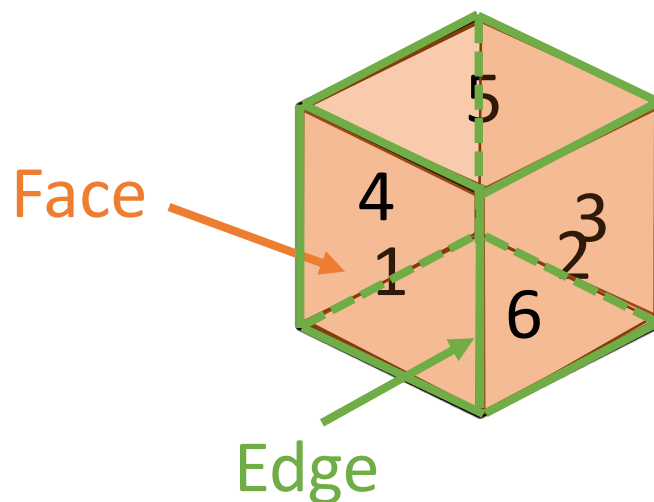
$3 \times 5 =$

1) How many faces does a cube have?

6

2) How many edges does a cube have?

12



3)  $9 \times 6 = 6 \times 9$

4)  $2 \times 3 = 6$

$2 \times 4 = 8$

$2 \times 5 = 10$

$3 \times 3 = 9$

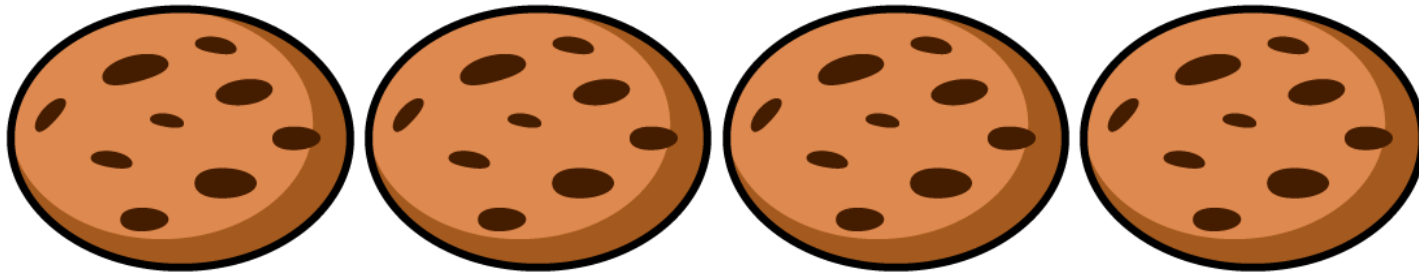
$3 \times 4 = 12$

$3 \times 5 = 15$

LET'S LEARN



Complete the missing numbers.

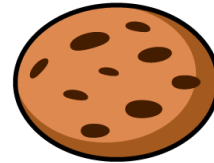
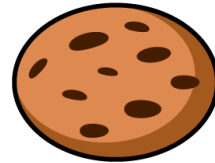
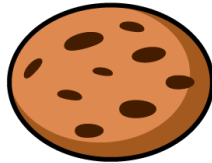
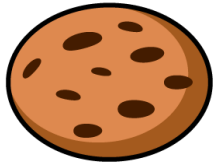


There are 4 cookies.

There are 9 chocolate chips in each cookie.

There are 36 chocolate chips altogether.

Complete the missing numbers.



There are 4 cookies.

There are 9 chocolate chips in each cookie.

There are 36 chocolate chips altogether.

$$\boxed{9} + \boxed{9} + \boxed{9} + \boxed{9} = \boxed{36}$$

$$\boxed{4} \times \boxed{9} = \boxed{36}$$

$$\boxed{9} \times \boxed{4} = \boxed{36}$$

Each packet contains 9 sweets. Have a think



$$\boxed{9} + \boxed{9} + \boxed{9} + \boxed{9} + \boxed{9} + \boxed{9} = \boxed{54}$$

$$\boxed{6} \times \boxed{9} = \boxed{54}$$

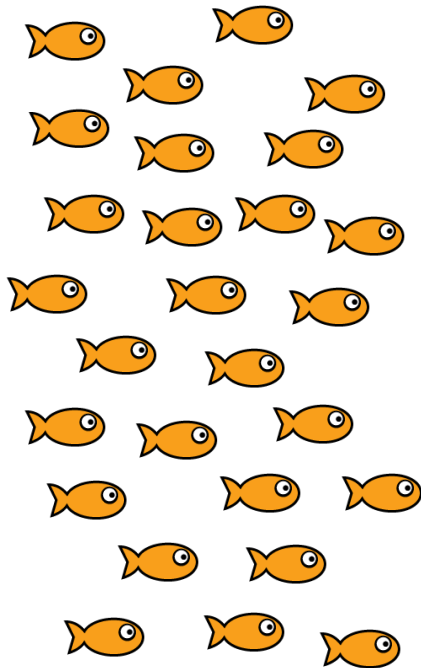
$$\boxed{9} \times \boxed{6} = \boxed{54}$$



There are 27 fish.

An equal amount are put into each of the 9 tanks.

How many fish are put in each tank?



$$\boxed{27} \div \boxed{9} = \boxed{3}$$

Total number of fish

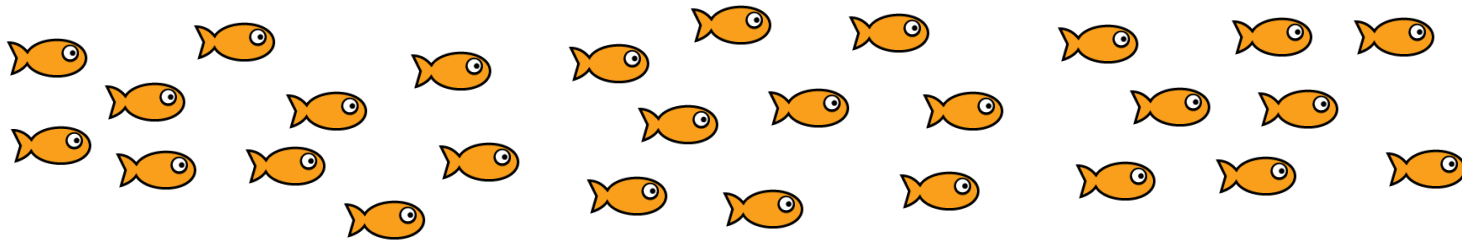
Number of fish tanks

Number of fish in each tank

There are 27 fish.

9 fish are put in each tank.

How many tanks are needed for all the fish?



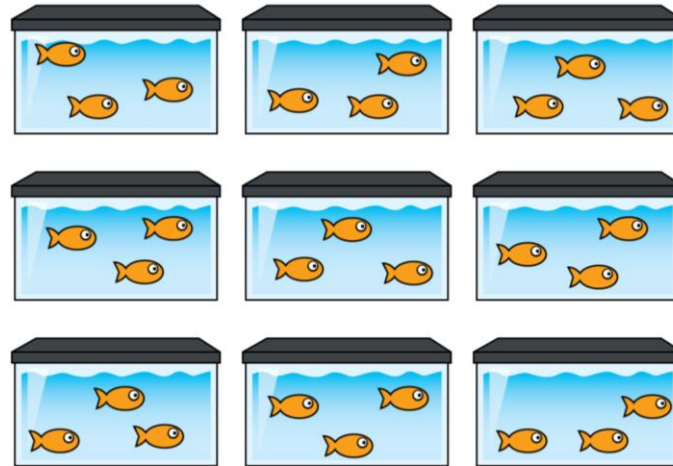
$$\boxed{27} \div \boxed{9} = \boxed{3}$$

Total number of fish

Number of fish in each tank

Number of tanks

# Sharing



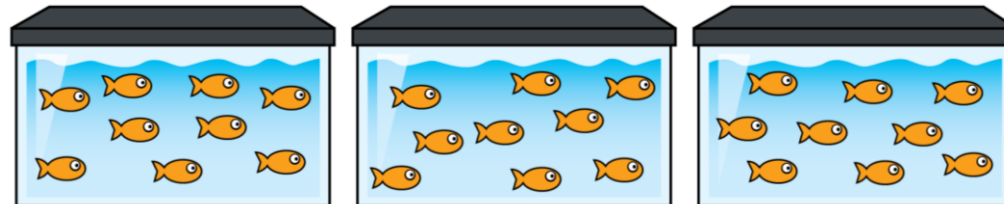
$$27 \div 9 = 3$$

Total number of fish

Number of fish tanks

Number of fish in each tank

# Grouping

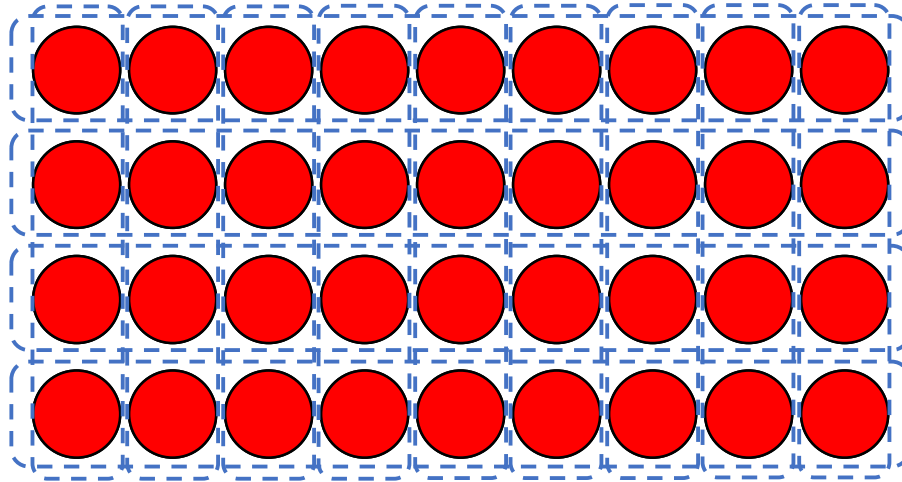


$$27 \div 9 = 3$$

Total number of fish

Number of fish in each tank

Number of tanks



$$9 \times 4 = 36$$

$$4 \times 9 = 36$$

$$36 \div 4 = 9$$

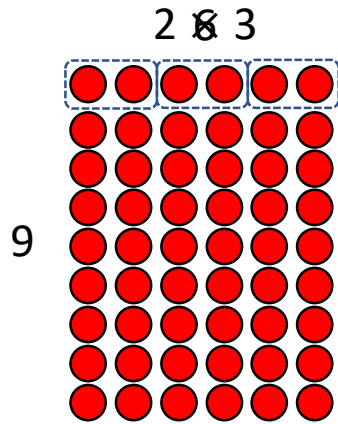
$$36 \div 9 = 4$$

**YOUR TURN**

Have a go at questions  
1 – 5 on the worksheet

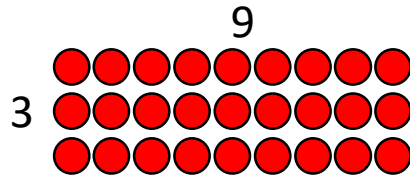
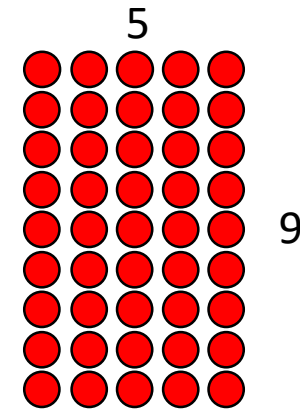


True or False?



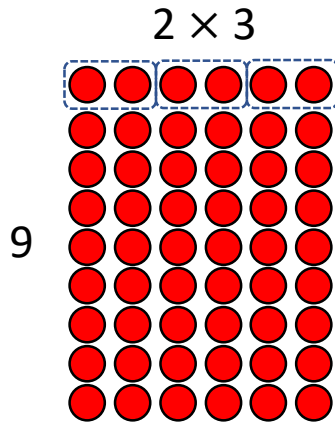
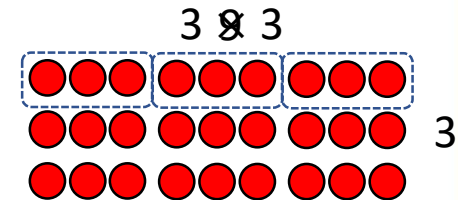
$$2 \times 3 \times 9 = 5 \times 9$$

False



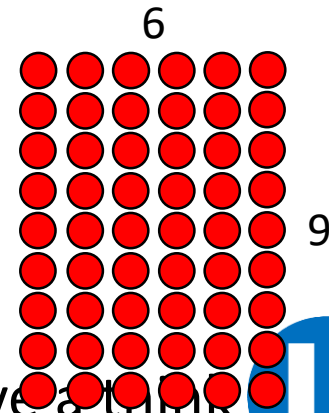
$$9 \times 3 = 3 \times 3 \times 3$$

True

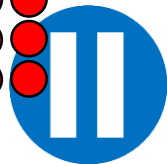


$$2 \times 3 \times 9 = 9 \times 6$$

True



Have a think





$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} \times \boxed{9} < 108$$

How many different possible

solutions are there?

$$2 \times 4 \times 9 < 108$$

You can use each card more than once.

$$3 \times 3 \times 9 < 108$$

Have a think



YOUR TURN

Have a go at the rest of  
the worksheet

