

# Multiply and divide by 9

1 Complete the sentences.

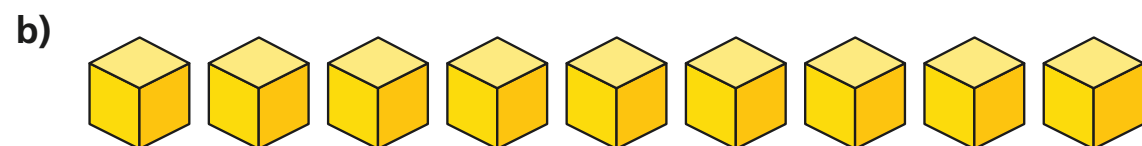


There are  boxes.

There are  chocolates in each box.

There are  chocolates altogether.

$$2 \times 9 = \boxed{\phantom{00}}$$



There are  cubes.

There are  faces on each cube.

There are  faces altogether.

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

2 There are 9 players in a baseball team.

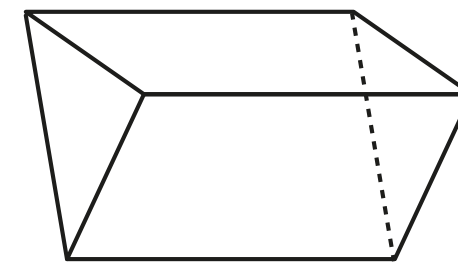
a) How many players are there in 7 baseball teams?

There are  players in 7 baseball teams.

b) If there are 81 players, how many full teams are there?

There are  full teams.

3 A triangular prism has 9 edges.



Use this information to complete the sentences.

a) 5 triangular prisms have  edges.

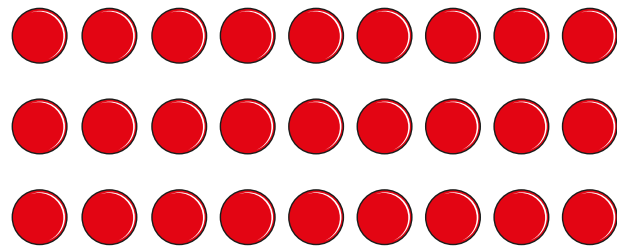
b)  triangular prisms have 90 edges.

c)  triangular prisms have 99 edges.

d) 6 triangular prisms have  edges.



- 4 Complete the number sentences to describe the array.



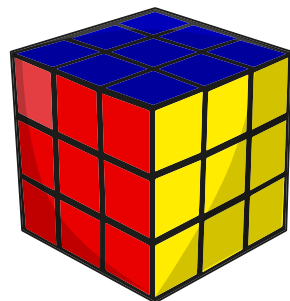
$$3 \times 9 = \square$$

$$9 \times \square = \square$$

$$\square \div 9 = 3$$

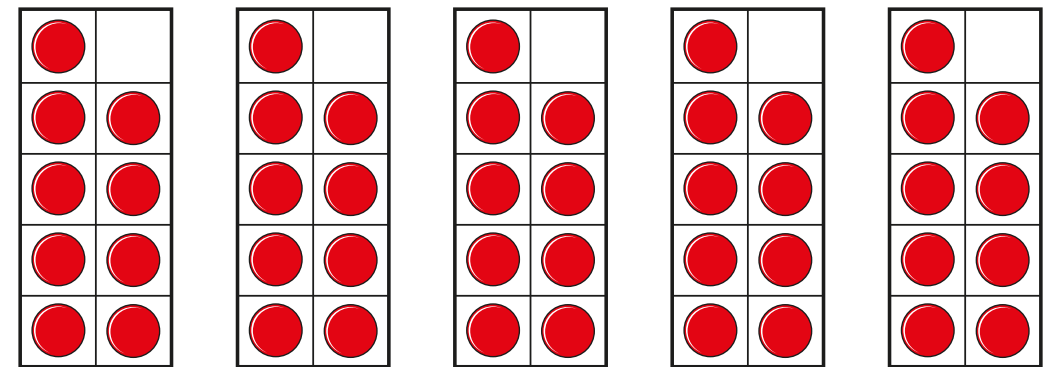
$$\square \div \square = 9$$

- 5 There are 9 coloured squares on each face of a puzzle cube.



How many coloured squares are there on the whole puzzle cube?

- 6 Eva is making groups of 9 on ten frames.



How can Eva work out how many counters she has altogether?

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Compare your method with a partner.

- 7 Here is a number puzzle.

$$\square \times \square \times \triangle = 81$$

Find three different values of the square and triangle.

$$\triangle = \square \quad \triangle = \square \quad \triangle = \square$$

$$\square = \square \quad \square = \square \quad \square = \square$$