

# Multiply and divide by 9



1 Complete the sentences.

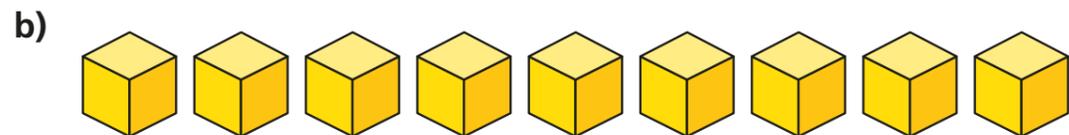


There are  boxes.

There are  chocolates in each box.

There are  chocolates altogether.

$$2 \times 9 = \text{input value } 18$$



There are  cubes.

There are  faces on each cube.

There are  faces altogether.

$$\text{input value } 9 \times \text{input value } 6 = \text{input value } 54$$

2 There are 9 players in a baseball team.

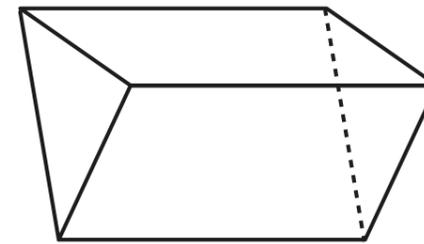
a) How many players are there in 7 baseball teams?

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.

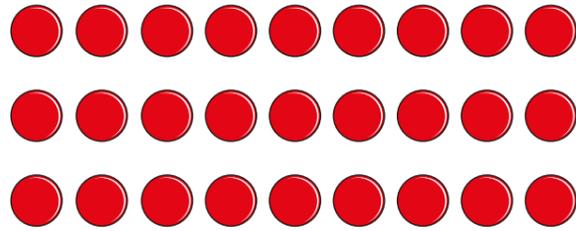
b)  triangular prisms have 90 edges.

c)  triangular prisms have 99 edges.

d) 6 triangular prisms have  edges.



4 Complete the number sentences to describe the array.



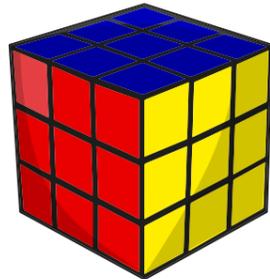
$$3 \times 9 = \boxed{27}$$

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

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

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

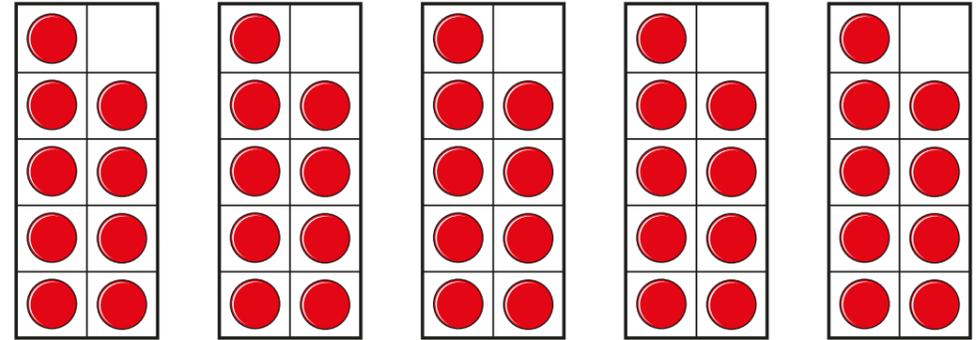
5 There are 9 coloured squares on each face of a puzzle cube.



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

$\boxed{54}$

6 Eva is making groups of 9 on ten frames.



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

$$9 \times 5 = 45$$

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.

$$\triangle = \boxed{1} \quad \triangle = \boxed{9} \quad \triangle = \boxed{81}$$

$$\square = \boxed{9} \quad \square = \boxed{3} \quad \square = \boxed{1}$$