



1

2

3

4

$2 \times 4 = 8$

$4 \times 2 = 8$

1

2



A LEGO® brick can be used to show a multiplication problem! Imagine a grid made of LEGO bricks, where every row and column has the same number of bricks.

Can you figure out the array represented by the LEGO® brick columns?  
Fill in your answer in the empty box and once you've got them all, see if you can make your own arrays using the empty brick template below!

These LEGO bricks represent the number 50, which is a ratio of 3 : 2.



10 10 10

10 10

$$10 \times 3 = 30$$

$$10 \times 2 = 20$$

$$3 : 2$$

A stack of equally sized LEGO® bricks can be used to represent a total that can be divided equally between different groups.

Each of the bars below has been a given total, can you work out the value of each of the coloured sections and what calculations you will need to perform? Fill in your answer in the empty box and once you've got them all, see if you can make your own using the empty brick template below!

LEGO bricks are arranged in a grid. Each bar has a total value and is divided into colored sections. Below each bar is an empty box for calculations.

- Bar 1: Total 30. Sections: 4 orange, 2 blue.
- Bar 2: Total 18. Sections: 4 purple, 1 yellow, 1 red.
- Bar 3: Total 64. Sections: 4 blue, 3 pink, 2 purple.
- Bar 4: Total 60. Sections: 4 purple, 1 green.
- Bar 5: Total 88. Sections: 4 blue, 2 green, 2 yellow.
- Bar 6: Total 12. Sections: 2 green, 1 pink.
- Bar 7: Total 120. Sections: 2 blue, 3 purple, 1 pink, 4 red.

At the bottom, there is an empty 2x10 grid of LEGO bricks for creating a new problem.