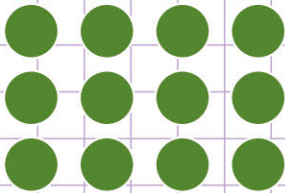


Name: Class:

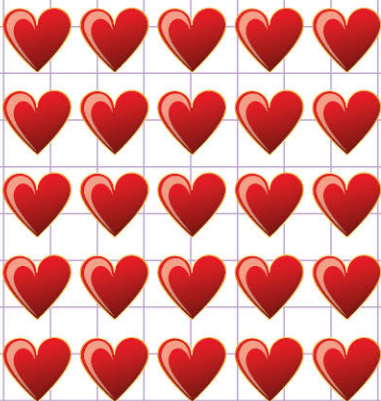
Relating multiplication and division using arrays

Write multiplication and division expressions that describes the models below.

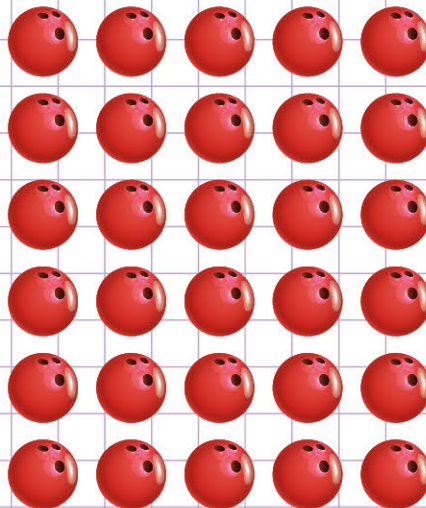
a.



b.



c.

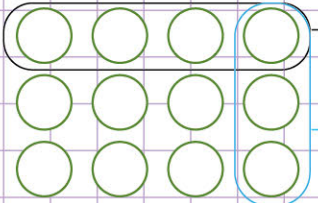


Name: Class:

Relating multiplication and division using arrays

Write multiplication and division expressions that describes the models below.

a.



you see that there are 12 circles in total

you see that, the model has 4 columns and 3 circles per column.



Let's first of all count the number of equal columns
and the total number of circles in the model.

You see that, there are 4 columns and 12 circles.

secondly, let's count the number of circles in each column

You see that, there are 3 circles in each column.

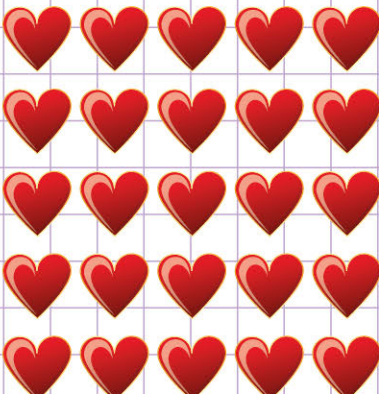
Since the model has 4 equal columns of 3 circles with a total of 12 circles,
hence the multiplication sentence will be

$$4 \times 3 \text{ circles} = 12 \text{ circles}$$

Also, the model has 12 circles divided into 4 equal columns with 3 circles in each column.

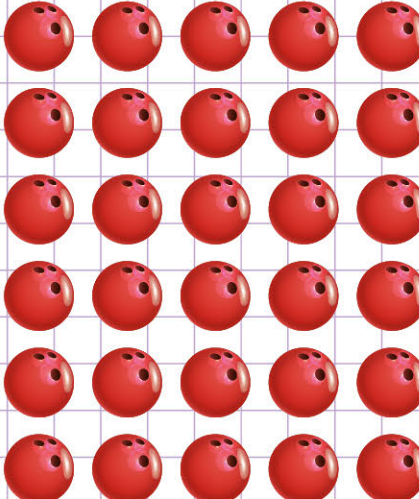
$$\text{Hence, the division sentence will be } 12 \text{ circles} \div 4 = 3 \text{ circles}$$

b.



5 x 5 hearts = 25 hearts
and 25 hearts ÷ 5 = 5 hearts

c.



5 x 6 balls = 30 balls
and 30 balls ÷ 5 = 6 balls

