

# Number and algebra

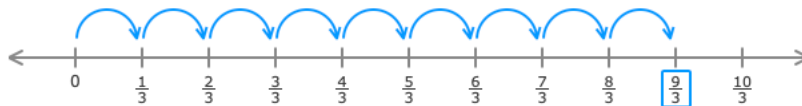
Real Numbers: Multiplication using number lines.

Year 7

Q1. Learn with an example

question

The model shows the product of  $\frac{1}{3}$  and a whole number.



Complete the multiplication number sentence that matches the model.

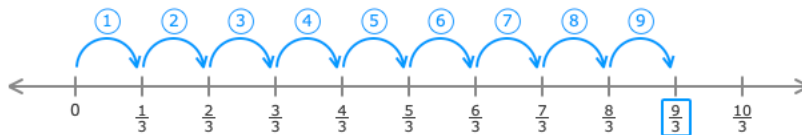
$$\frac{1}{3} \cdot \square = \frac{9}{3}$$

key idea

You can use a number line to show multiplication of fractions.

solution

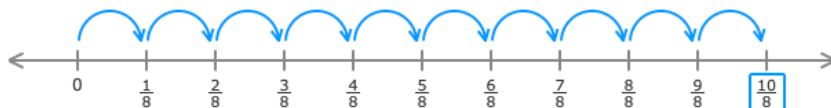
To multiply, count forward by  $\frac{1}{3}$ . Count forward 9 times. The result is  $\frac{9}{3}$ .



The multiplication number sentence is:

$$\frac{1}{3} \cdot 9 = \frac{9}{3}$$

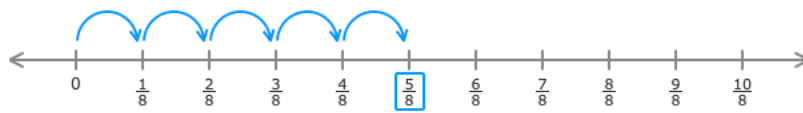
Q2. The model shows the product of  $\frac{1}{8}$  and a whole number.



Complete the multiplication number sentence that matches the model.

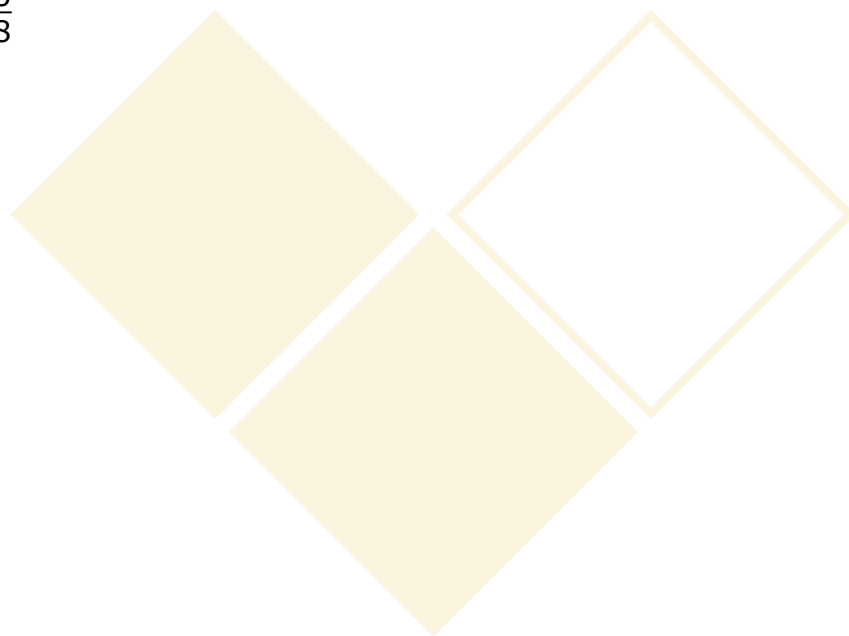
$$\frac{1}{8} * \square = \frac{10}{8}$$

Q3. The model shows the product of  $\frac{1}{8}$  and a whole number.



Complete the multiplication number sentence that matches the model.

$$\frac{1}{8} * \square = \frac{5}{8}$$





2:10, 3:5

For detailed working of this worksheet

# Book a free trial today!

