

Name: Class:

Multiply fractions by whole numbers using number lines

Use number lines to find the products of the following fractions.

a. $\frac{5}{6} \times 4$

b. $\frac{3}{7} \times 2$

c. $\frac{3}{5} \times 4$

d. $\frac{1}{2} \times 2$

e. $\frac{4}{8} \times 4$

f. $\frac{2}{5} \times 5$

g. $\frac{3}{6} \times 2$

h. $\frac{7}{9} \times 5$

i. $\frac{2}{8} \times 3$

j. $\frac{4}{7} \times 6$

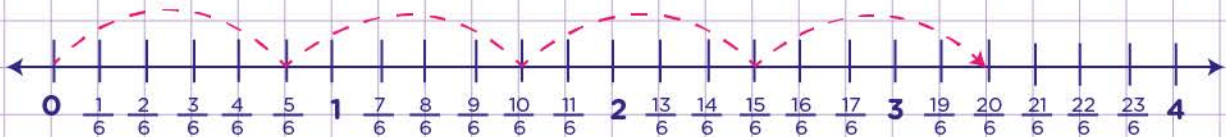
Name: Class:

Multiply fractions by whole numbers using number lines

Use number lines to find the products of the following fractions.

a. $\frac{5}{6} \times 4$

Let's start by drawing the number line from 0 to 4 using repeated addition as shown below.



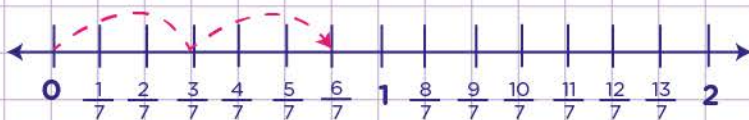
Each whole has been divided into 6 equal parts showing the fraction $\frac{1}{6}$.

To find the product, let's move on the number line $\frac{5}{6}$ four times.

So, you can see that $\frac{5}{6} \times 4 = \frac{20}{6}$.

b. $\frac{3}{7} \times 2$

Let's start by drawing the number line from 0 to 2 using repeated addition as shown below.



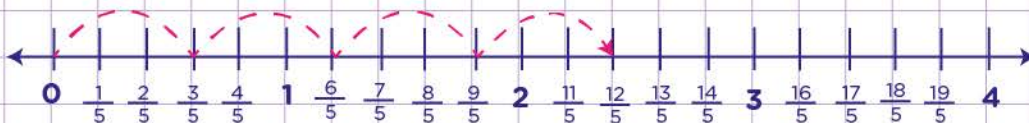
Each whole has been divided into 7 equal parts showing the fraction $\frac{1}{7}$.

To find the product, let's move on the number line $\frac{3}{7}$ two times.

So, you can see that $\frac{3}{7} \times 2 = \frac{6}{7}$.

c. $\frac{3}{5} \times 4$

Let's start by drawing the number line from 0 to 4 using repeated addition as shown below.



Each whole has been divided into 5 equal parts showing the fraction $\frac{1}{5}$.

To find the product, let's move on the number line $\frac{3}{5}$ four times.

So, you can see that $\frac{3}{5} \times 4 = \frac{12}{5}$.