Multiplying Fractions by a Whole Number

1 a. Color first $\frac{1}{6}$. Color another $\frac{1}{6}$. Continue till you have colored seven times $\frac{1}{6}$.

$7 \times \frac{1}{6} =$

b. Color first $\frac{2}{5}$. Color another $\frac{2}{5}$. Continue till you have colored four times $\frac{2}{5}$.
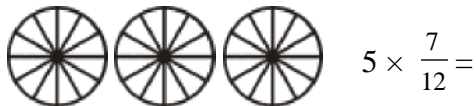
$4 \times \frac{2}{5} =$

c. Color first $\frac{3}{8}$. Color another $\frac{3}{8}$. Continue till you have colored five times $\frac{3}{8}$.
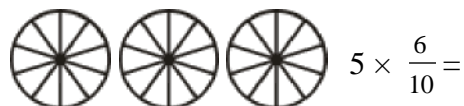
$5 \times \frac{3}{8} =$

d. Color first $\frac{3}{10}$. Color another $\frac{3}{10}$. Continue till you have colored four times $\frac{3}{10}$.
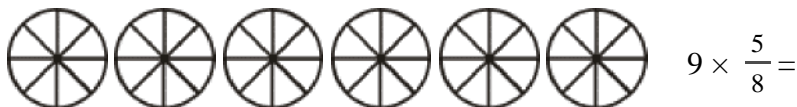
$4 \times \frac{3}{10} =$

e. Color five times $\frac{7}{12}$.

$5 \times \frac{7}{12} =$

f. Color five times $\frac{6}{10}$.

$5 \times \frac{6}{10} =$

g. Color nine times $\frac{5}{8}$.

$9 \times \frac{5}{8} =$

We know that multiplication by a whole number is **repeated addition:**

$$5 \times 4 = 4 + 4 + 4 + 4 + 4 = 20 \qquad 3 \times 120 = 120 + 120 + 120 = 360$$

Multiplying a fraction by a whole number works exactly the same:

$$3 \times \frac{1}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{}{}$$

$$5 \times \frac{2}{9} = \frac{2}{9} + \frac{2}{9} + \frac{2}{9} + \frac{2}{9} + \frac{2}{9} = \frac{}{}$$