

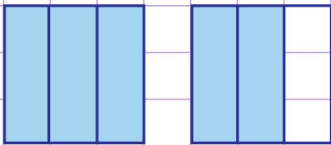
Name: ..... Class: .....

Multiply unit fractions by whole numbers using models

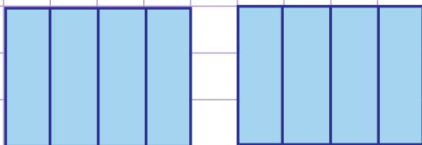


Use the models below as an aid to find the product of the following fractions.

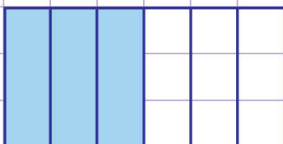
a.  $\frac{1}{3} \times 5 =$



b.  $\frac{1}{4} \times 8 =$



c.  $\frac{1}{6} \times 3 =$



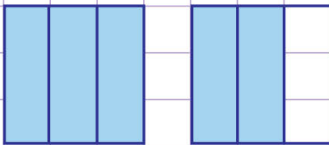
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## Multiply unit fractions by whole numbers using models



Use the models below as an aid to find the product of the following fractions.

a.  $\frac{1}{3} \times 5 = 1\frac{2}{3}$



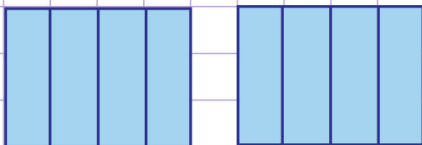
You see that, the model has been broken into 3 equal parts. Each part shows the fraction  $\frac{1}{3}$

To multiply using the model, let's add the fractions of the shaded parts.

There are 5 shaded parts

$$\text{So, } \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{5}{3} \text{ or } 1\frac{2}{3}$$

b.  $\frac{1}{4} \times 8 = 2$



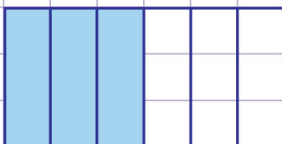
You see that, the model has been broken into 4 equal parts. Each part shows the fraction  $\frac{1}{4}$

To multiply using model, let's add the fractions of the shaded parts.

There are 8 shaded parts.

$$\text{So, } \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{8}{4} = 2$$

c.  $\frac{1}{6} \times 3 = \frac{1}{2}$



You see that, the model has been broken into 6 equal parts. Each part shows the fraction  $\frac{1}{6}$

To multiply using the model, let's add the fractions of the shaded parts.

There are 3 shaded parts

$$\text{So, } \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6} \text{ or } \frac{1}{2}$$

