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

Multiply unit fractions by whole numbers using number lines

Draw a number line to find the products of the following fractions.

a. $\dfrac{3}{5} \times 3 = \boxed{}$

b. $\dfrac{2}{7} \times 2 = \boxed{}$

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Draw a number line to find the products of the following fractions.

a. $\dfrac{3}{5} \times 3 = \boxed{\dfrac{9}{5}}$

To draw a model that represents the above expression, let's draw 3 whole rectangles divided into 5 equal parts each and then shade 3 parts in each rectangle.
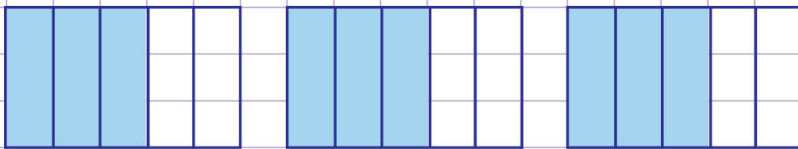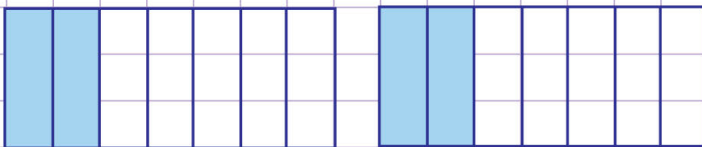

Note that, each part represent $\dfrac{1}{5}$

Now, to find the products, let's count the shaded $\dfrac{1}{5}$ parts.

You see that, there are nine $\dfrac{1}{5}$ shaded parts which is equal to $\dfrac{9}{5}$ in fraction form.

So, $\dfrac{3}{5} \times 3 = \dfrac{9}{5}$

b. $\dfrac{2}{7} \times 2 = \boxed{\dfrac{4}{7}}$

To draw a model that represents the above expression, we have to draw 2 whole rectangles divide into 7 equal parts each and then shade 2 parts in each rectangle.

Note that, each part represent $\dfrac{1}{7}$

Now, to find the products, let's count the shaded $\dfrac{1}{7}$ parts.

You see that, there are nine $\dfrac{1}{7}$ shaded parts which is equal to $\dfrac{4}{7}$ in fraction form.

So, $\dfrac{2}{7} \times 2 = \dfrac{4}{7}$