

**LO: Unit fraction x whole number**

Draw a simple model for each calculation.

$$\frac{1}{5} \times 1 = \boxed{\frac{1}{5}} \qquad 1 \times \frac{1}{5} =$$

$$\frac{1}{5} \times 2 = \boxed{\frac{1}{5}} \boxed{\frac{1}{5}} \qquad 2 \times \frac{1}{5} =$$

$$\frac{1}{5} \times 3 = \boxed{\frac{1}{5}} \boxed{\frac{1}{5}} \boxed{\frac{1}{5}} \qquad 3 \times \frac{1}{5} =$$

$$\frac{1}{5} \times 4 = \boxed{\frac{1}{5}} \boxed{\frac{1}{5}} \boxed{\frac{1}{5}} \boxed{\frac{1}{5}} \qquad 4 \times \frac{1}{5} =$$

Which multiplication does each model represent?

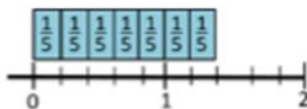
$\boxed{\frac{1}{7}} \boxed{\frac{1}{7}} \boxed{\frac{1}{7}} \boxed{\frac{1}{7}} \quad 4 \times \frac{1}{7}$

$\boxed{\frac{1}{4}} \boxed{\frac{1}{4}} \boxed{\frac{1}{4}} \boxed{\frac{1}{4}} \quad 4 \times \frac{1}{4}$

$\boxed{\frac{1}{10}} \boxed{\frac{1}{10}} \boxed{\frac{1}{10}} \boxed{\frac{1}{10}} \boxed{\frac{1}{10}} \boxed{\frac{1}{10}} \boxed{\frac{1}{10}} \quad 7 \times \frac{1}{10}$

Eva uses a number line and repeated addition to work out

$$\frac{1}{5} \times 7 = \frac{7}{5} = 1\frac{2}{5}$$



Use this method to work out:

$$5 \times \frac{1}{8} = \frac{5}{8} \qquad \frac{1}{3} \times 3 = \frac{3}{3} = 1 \qquad \frac{1}{4} \times 7 = \frac{7}{4} = 1\frac{3}{4}$$

Amir is multiplying fractions by a whole number.



$$\frac{1}{5} \times 5 = \frac{5}{25}$$

Can you explain his mistake?

Amir has multiplied both the numerator and the denominator so he has found an equivalent fraction. Encourage children to draw models to represent this correctly.

