

Amir is multiplying fractions by a whole number.



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

Can you explain his mistake?

Always, sometimes, never?

When you multiply a unit fraction by the same number as its denominator the answer will be one whole.

I am thinking of a unit fraction.

When I multiply it by 4 it will be equivalent to $\frac{1}{2}$

When I multiply it by 2 it will be equivalent to $\frac{1}{4}$

What is my fraction?

What do I need to multiply my fraction by so that my answer is equivalent to $\frac{3}{4}$?

Can you create your own version of this problem?

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.

Always, sometimes, never?

When you multiply a unit fraction by the same number as its denominator the answer will be one whole.

Always - because the numerator was 1 it will always be the same as your denominator when multiplied which means that it is a whole.
e.g. $\frac{1}{3} \times 3 = \frac{3}{3} = 1$

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What is my fraction?

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Can you create your own version of this problem?

$\frac{1}{8}$ because
 $4 \times \frac{1}{8} = \frac{4}{8} = \frac{1}{2}$
and

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

6 because
 $6 \times \frac{1}{8} = \frac{6}{8} = \frac{3}{4}$