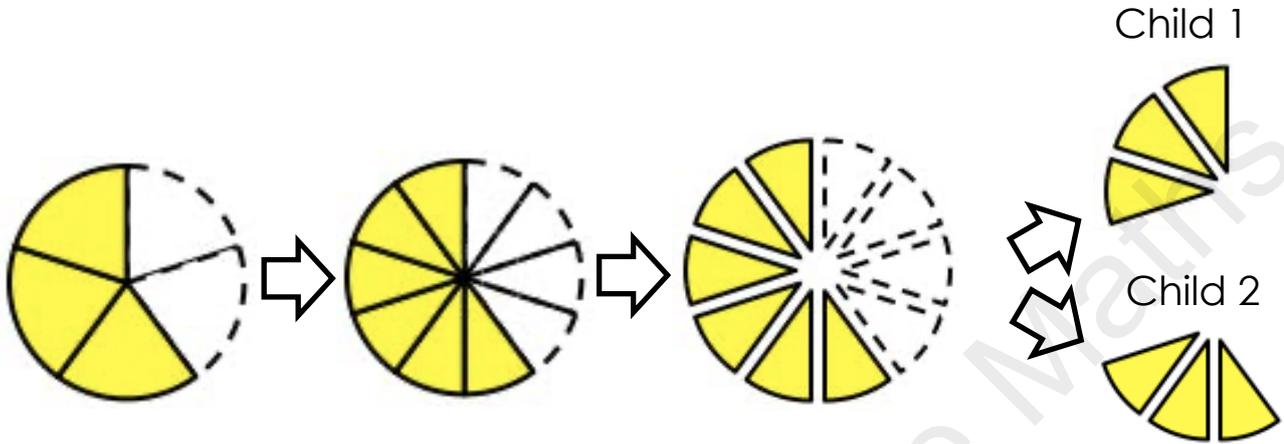


Janice distributed $\frac{3}{5}$ of a pizza equally between 2 children.
What fraction of the pizza did each child receive?



$$\begin{aligned}\frac{3}{5} \div 2 &= \frac{1}{2} \text{ of } \frac{3}{5} \\ &= \frac{1}{2} \times \frac{3}{5} \\ &= \frac{3}{10}\end{aligned}$$

Why is $\frac{3}{5} \div 2$ the same as $\frac{1}{2} \times \frac{3}{5}$?



OR

$$\begin{aligned}\frac{3}{5} \div 2 &= \frac{3}{5} \times \frac{1}{2} \\ &= \frac{3}{10}\end{aligned}$$

$$2 \times 3 = 3 \times 2$$

So,

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



Remember when dividing a fraction by a whole number:

$$\frac{3}{5} \div 2 = \left(\frac{3}{5}\right) \otimes \left(\frac{1}{2}\right) = \frac{3}{10}$$

Keep the first term.

Change \div to \times .

Invert the whole number.

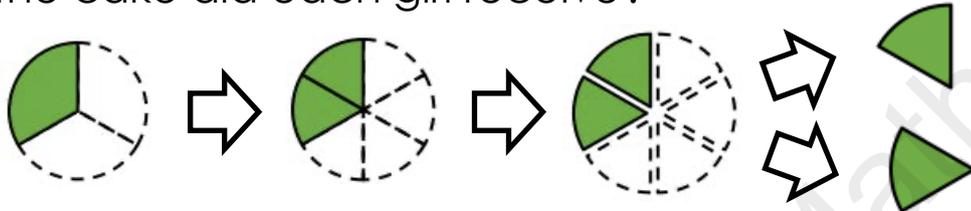


Each child received $\frac{3}{10}$ of the pizza.

GUIDED PRACTICE

1. Fill in the blanks.

- a) Two girls shared $\frac{1}{3}$ of a cake equally. What fraction of the cake did each girl receive?



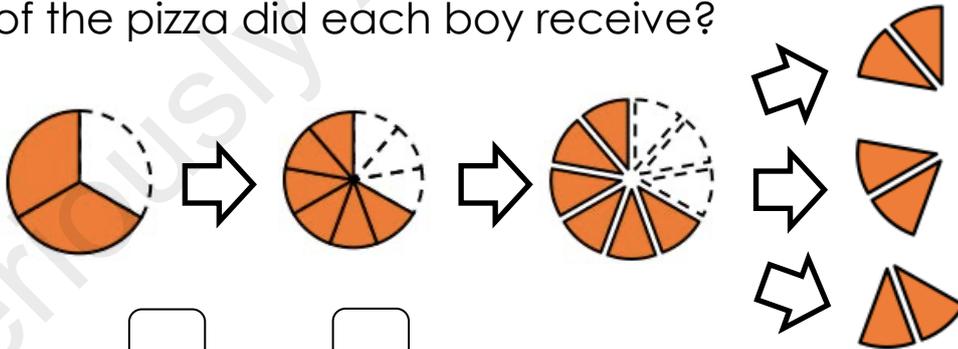
$$\frac{1}{3} \div 2 = \frac{\square}{\square} \times \frac{1}{3} = \frac{\square}{\square}$$

When one-third of a whole is divided by 2, each piece is $\frac{1}{6}$ of the whole.

Each girl received $\frac{\square}{\square}$ of the cake.



- b) Three boys shared $\frac{2}{3}$ of a pizza equally. What fraction of the pizza did each boy receive?



$$\frac{2}{3} \div 3 = \frac{\square}{\square} \times \frac{2}{3} = \frac{\square}{\square}$$

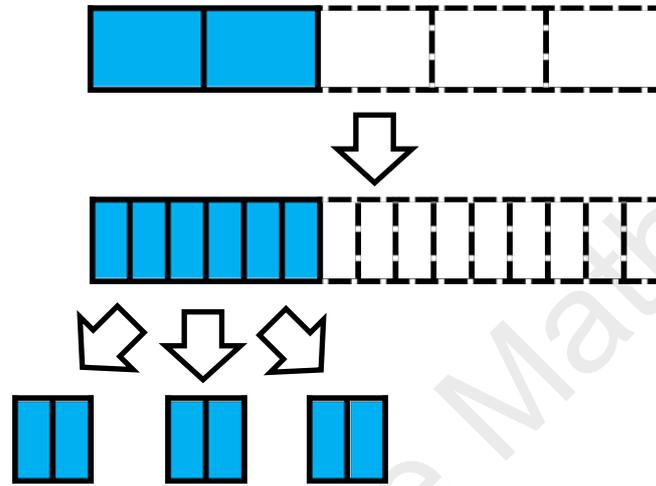
Each boy received $\frac{\square}{\square}$ of the pizza.

2. Fill in the blanks.

a) $\frac{2}{5} \div 3$

$= \frac{\square}{\square} \times \frac{2}{5}$

$= \frac{\square}{\square}$



b) $\frac{3}{4} \div 4$

$= \frac{\square}{\square} \times \frac{3}{4}$

$= \frac{\square}{\square}$

