

Anchor Task



ABC soup is easy to prepare and is delicious and nutritious.



ABC Soup

Ingredients

- $2\frac{1}{5}$ kg chicken pieces
- 4 cups water
- 1 large carrot, peeled and cut into 1-inch pieces
- 1 medium tomato, quartered
- 1 medium onion, thinly sliced
- 1 teaspoon crushed black peppercorns
- 3 medium potatoes
- salt to taste



uses $\frac{1}{2}$ of a $\frac{2}{3}$ -kg bag of potatoes.

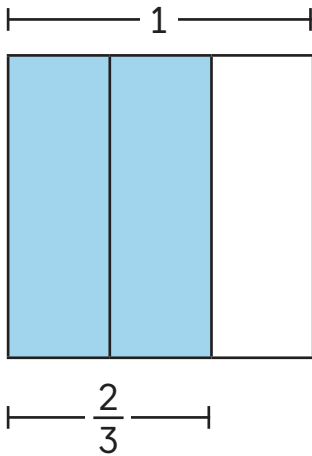


uses $\frac{2}{3}$ of a $\frac{1}{2}$ -kg bag of potatoes.

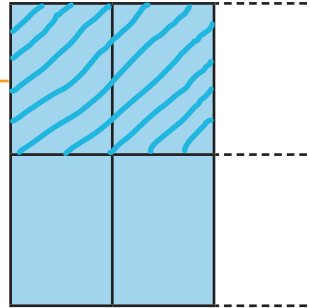
Think of ways to show that these are the same amount of potatoes.



's way

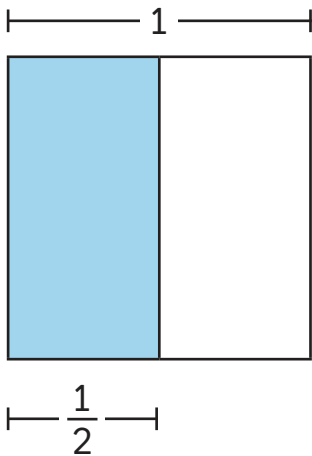


$$\frac{1}{2} \times \frac{2}{3}$$

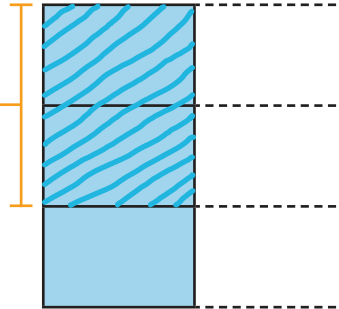


$$\frac{1}{2} \times \frac{2}{3} = \frac{2}{6}$$

$\frac{1}{2}$ of $\frac{2}{3}$



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



$\frac{2}{3}$ of $\frac{1}{2}$

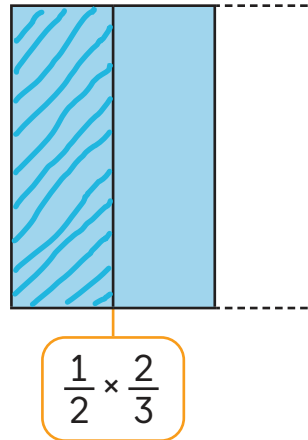
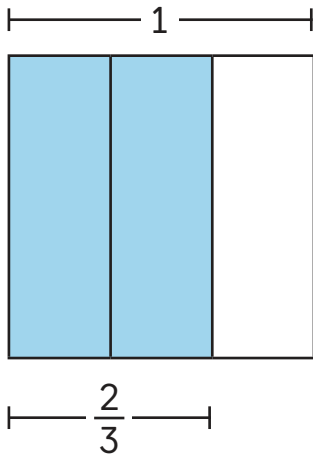


's diagrams show that $\frac{1}{2} \times \frac{2}{3} = \frac{2}{3} \times \frac{1}{2} = \frac{2}{6}$.

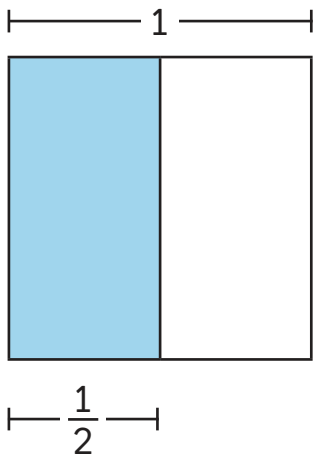
Both  and  use the same amount of potatoes.



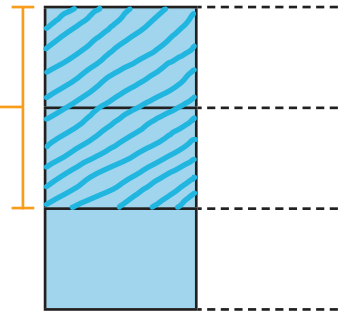
's way



$\frac{1}{2}$ of $\frac{2}{3}$



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



$\frac{2}{3}$ of $\frac{1}{2}$



Do  's diagrams show that $\frac{1}{2} \times \frac{2}{3} = \frac{2}{3} \times \frac{1}{2}$?



's way

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



$\frac{1}{2} \times 2$ thirds equals 1 third.

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

$$\frac{1}{2} = \frac{3}{6}$$

$$= \frac{2}{6}$$

$$\frac{2}{6} = \frac{1}{3}$$

$$= \frac{1}{3}$$



$\frac{2}{3} \times 3$ sixths equals 2 sixths.

$$\text{So, } \frac{1}{2} \times \frac{2}{3} = \frac{2}{3} \times \frac{1}{2} = \frac{1}{3}.$$



Both use the same amount of potatoes.

Guided Practice



1 Find the products.

$$\frac{1}{4} \times \frac{4}{5}$$

$$\frac{2}{5} \times \frac{5}{9}$$

$$\frac{1}{3} \times \frac{9}{11}$$

$$\frac{3}{4} \times \frac{8}{9}$$



$\frac{1}{4} \times 4$ fifths

2 Find the products.

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

$$\frac{2}{3} \times \frac{1}{4}$$

$$\frac{3}{4} \times \frac{2}{5}$$

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

Simplify the products if needed.





$$\frac{2}{3} \times \frac{3}{4}$$

Draw a diagram for the multiplication.

Write a story for the multiplication.