

Multiplying

Dividing

Fractions

$$\frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}} \times \frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{10}}} = \frac{3}{4}$$

To avoid having to do simplifying at the end, you can cancel common factors. Which basically allow you to simplify the fractions before multiplying them. This is a lot easier and less time consuming.

$$\frac{3}{4} \div \frac{5}{8} = \frac{3}{4} \times \frac{\overset{2}{\cancel{8}}}{\underset{1}{\cancel{4}}} = \frac{6}{5}$$

To divide two fractions, just invert the second fraction and multiply. You can again cancel in the multiplication operation.

A. Perform the indicated operation. Click the correct answer.

1) $5\frac{1}{3} \times 3\frac{3}{5} =$ 18 $\frac{3}{5}$ 19 $\frac{1}{5}$ 20 $\frac{2}{5}$

2) $\frac{12}{20} \times \frac{5}{3} \times \frac{3}{4} =$ $\frac{3}{4}$ $\frac{4}{3}$ $\frac{5}{6}$

3) $\frac{4}{6} \div 4 \div 1\frac{2}{3} =$ 10 $\frac{3}{6}$ $\frac{1}{10}$

4) $8 \times \frac{3}{8} \div \frac{3}{8} =$ $\frac{1}{8}$ $\frac{3}{8}$ 8

5) $1\frac{2}{8} \div \frac{3}{6} \times 1\frac{1}{3} =$ $\frac{10}{3}$ $\frac{3}{10}$ $\frac{2}{15}$

B. Solve the problem and write the answer in the box.

- 1) Chloe donated 168 kg of rice to the victims of flood. The rice was distributed equally in small bags. If a bag contained $5\frac{3}{5}$ kg of rice, then how many small bags were filled?

Answer: small bags

- 2) Father harvested 100 kilograms of mangoes in his farm. He sold $\frac{3}{4}$ of the mangoes in the market and the rest were given equally to his children.

How many kilograms of mangoes were sold in the market?

kg

If he has 6 children, how many kilograms of mangoes did each one receives?

kg

- 3) Francis bought 80 meters of cotton fabric. He gave $\frac{5}{6}$ of it to his mother. The remaining fabric was given equally to his 2 siblings.

How many meters of cotton fabric did he give to his mother?

m

How many meters of cotton fabric did each of his siblings receive?

m