What is the multiplicative inverse of $\frac{4}{9}$ as a mixed number.

$$1\frac{7}{8} \cdot \frac{3}{10}$$

True or False

The quotient of $4\frac{1}{5} \div \frac{2}{3}$ is greater than $4\frac{1}{5}$.

Explain your Answer

Solve the equation for the variable.

$$\frac{2}{9}x = \frac{2}{5}$$

What is the multiplicative inverse (reciprocal) of $\frac{4}{9}$ as a mixed number.

$\frac{9}{4}$ or $2\frac{1}{4}$

$1\frac{7}{8} \cdot \frac{3}{10}$

$\frac{15}{8} \cdot \frac{3}{10}$

$\frac{9}{16}$

True or False

The quotient of $4\frac{1}{5} \div \frac{2}{3}$ is greater than $4\frac{1}{5}$.

Explain your Answer

Dividing by a # less than 1 = a quotient bigger than what you started with!

$4\frac{1}{5} \div \frac{2}{3}$

$\frac{21}{5} \cdot \frac{3}{2} = \frac{61}{10} = 6\frac{1}{10} > 4\frac{1}{5}$!

Solve the equation for the variable.

$\frac{2}{9}x = \frac{2}{5}$

$\div \frac{2}{9}$ $\div \frac{2}{9}$

$\frac{2}{5} \cdot \frac{9}{2} = \frac{9}{5}$

$x = 1\frac{4}{5}$

The winners of the relay race will win $\frac{4}{5}$ lb of candy. If there are 3 people on the winning team who share the prize equally, how many pounds of candy will each player win?

True or False

The product of $\left(\frac{5}{8}\right)^2$ is $\frac{25}{64}$.

Explain your Answer

$$8 \cdot \frac{7}{8}$$

How many $\frac{3}{4}$ yard pieces of wood can you cut from a piece of wood that is 6 yards long?

The winners of the relay race will win $\frac{4}{5}$ lb of candy. If there are 3 people on the winning team who share the prize equally, how many pounds of candy will each player win?

Sharing or ÷

$\frac{4}{5} \div 3$

$\frac{4}{5} \cdot \frac{1}{3} = \frac{4}{15}$ pounds of candy

True or False

The product of $\left(\frac{5}{8}\right)^2$ is $\frac{25}{64}$.

Explain your Answer

$\frac{5}{8} \cdot \frac{5}{8} = \frac{25}{64}$

$8 \cdot \frac{7}{8}$

$\frac{8}{1} \cdot \frac{7}{8}$

$\frac{7}{1} = 7$

How many $\frac{3}{4}$ yard pieces of wood can you cut from a piece of wood that is 6 yards long?

$6 \div \frac{3}{4}$

$\frac{6}{1} \cdot \frac{4}{3} = \frac{8}{1} = 8$ pieces

$$2\frac{5}{8} \div 1\frac{1}{2}$$

Simplify the Fraction into lowest terms.

$$\frac{40}{24}$$

Maria needs $\frac{2}{3}$ of a cup of sugar for one serving of her recipe. How many cups of sugar will she need for 5 servings?

$$2\frac{11}{12} \div \frac{3}{14}$$

$2\frac{5}{8} \div 1\frac{1}{2}$

$\frac{21}{8} \div \frac{3}{2}$

$\frac{21}{8} \cdot \frac{2}{3} = \frac{7}{4} = 1\frac{3}{4}$

Simplify the Fraction into lowest terms.

$\frac{40}{24} = \frac{5}{3} = 1\frac{2}{3}$

Maria needs $\frac{2}{3}$ of a cup of sugar for one serving of her recipe. How many cups of sugar will she need for 5 servings?

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

$\frac{2}{3} \cdot \frac{5}{1} = \frac{10}{3} = 3\frac{1}{3}$ cups of sugar

$2\frac{11}{12} \div \frac{3}{14}$

$\frac{35}{12} \div \frac{3}{14}$

$\frac{35}{12} \cdot \frac{14}{3} = \frac{245}{18} = 13\frac{11}{18}$

True or False

The product of $6 \bullet 4\frac{1}{3}$ can be rewritten as $6(4) \bullet 6\left(\frac{1}{3}\right)$.

Explain your Answer

$$\frac{11}{12} \bullet \frac{16}{33}$$

True or False

The product of $6 \cdot 4\frac{1}{3}$ can be rewritten as $6(4) \cdot 6\left(\frac{1}{3}\right)$.

Explain your Answer

$6 \cdot 4\frac{1}{3}$

$6 \cdot \left(4 + \frac{1}{3}\right)$

$6 \cdot 4 + 6 \cdot \frac{1}{3}$

$\frac{11}{12} \cdot \frac{16}{33}$

$\frac{4}{9}$