

NAME: _____
DATE: _____

Mathematics

Fraction Multiplication Word Problems

Solve the following fraction multiplication Word Problems. The first one is done for you. Reduce all answers to the lowest term.

Example

Renando finished a 200-meter race in $\frac{5}{12}$ of a minute. The winner of the race ran $\frac{9}{10}$ of Renando's time to finish the race. How much time did the winner use to finish the race?

$$\begin{array}{|c|} \hline 5 \\ \hline 12 \\ \hline \end{array} \times \begin{array}{|c|} \hline 9 \\ \hline 10 \\ \hline \end{array} = \begin{array}{|c|} \hline 45 \\ \hline 120 \\ \hline \end{array} \div \begin{array}{|c|} \hline 5 \\ \hline 5 \\ \hline \end{array} = \begin{array}{|c|} \hline 9 \\ \hline 24 \\ \hline \end{array}$$

1. Patrick decided to run every day to keep himself healthy. He ended up running $1\frac{3}{5}$ of a kilometer every day. How much did he run in a week?

$$1\frac{3}{5} \times 7 = 1\frac{3}{5} = 1\frac{3}{5}$$

2. Kimora usually rides her bike about $1\frac{1}{5}$ hours every day. The distance between the library and school is $\frac{7}{8}$ mile. Yesterday the bike had a problem and Kimora only rode her bike $\frac{2}{3}$ of the way from school to the library and walked the rest of the way. How far did she ride her bike?

$$1\frac{1}{5} \times \frac{7}{8} = 1\frac{1}{5} \div \frac{2}{3} = 1\frac{1}{5}$$

3. It takes La'nyiah one minute to swim $\frac{1}{60}$ of a kilometer. How far can she swim in 12 minutes?

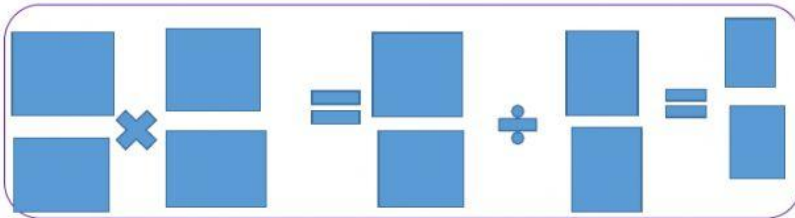
$$\begin{array}{c} \square \\ \square \end{array} \times \begin{array}{c} \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \end{array} \div \begin{array}{c} \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \end{array}$$

4. The tallest basketball player in the school's basketball team is 6 feet tall. Jacob's height is $\frac{11}{12}$ of the height of the tallest basketball player. What is Jacob's height?

$$\begin{array}{c} \square \\ \square \end{array} \times \begin{array}{c} \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \end{array}$$

5. Ashanti is a professional marathon runner. She spends 24 hours each week training.

She spends $\frac{2}{5}$ of her training time running and $\frac{3}{8}$ of her training time in the gym.
How many hours does she spend in the gym every week?



Commented [u1]: