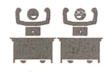
Name:

ANSWERS!

Period:











Solving Problem Together

Part 1-9 Classwork

No Calculators

Solve.

Question 01

You are cutting sections of ribbon that are $\frac{1}{4}$ meters in length. You have a total of $3\frac{1}{2}$ meters of ribbon. How many sections can you make?

$$3\frac{1}{2} \div \frac{1}{4}$$
 $\frac{7}{2} \times \frac{4}{1} = \frac{28}{2} \div \frac{2}{1} = \frac{14}{14}$

Question 02

You have a total of $5\frac{1}{3}$ meters of ribbon. You are cutting sections of ribbon that are $\frac{2}{3}$ meters in length. How many sections can you make?

Each serving of trail mix requires $\frac{1}{2}$ of a cup of almonds. You have a total of $5\frac{1}{2}$ cups of almonds. How many servings of trail mix can you make?

Question 04

You have a total of $4\frac{1}{2}$ cups of raisins. Each serving of trail mix requires $\frac{1}{6}$ of a cup of raisins. How many servings can you make?

Question 05

Each volunteer agreed to pick of litter from $\frac{2}{5}$ of a mile of a local hiking trail. The trail is

$$1\frac{3}{5}$$
 miles. How many volunteers are needed for the entire trail?

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

$$\frac{8}{5} \times \frac{5}{2} = \frac{40 \div 10}{10 \div 10}$$

$$\frac{4}{1} = \boxed{4}$$

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

Question 06

You have a total of $3\frac{1}{2}$ gallons of paint. Each classroom requires $\frac{1}{6}$ of a gallon of paint. How many classrooms can you paint?

$$3\frac{1}{2} \div \frac{1}{6}$$
 $\frac{7}{2} \times \frac{6}{1} = \frac{42}{2} \div \frac{2}{1} = \frac{21}{21}$