

Name:

ANSWERS!

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

## Part 1-10 Classwork

## No Calculators

*Solve.*

Question 01

You are cutting sections of wire that are  $\frac{3}{4}$  meters in length. You have a total of  $5\frac{1}{2}$  meters of wire. How many sections can you make?

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

$$\frac{11}{2} \times \frac{4}{3} = \frac{44}{6} \div 2 = \frac{22}{3}$$

$$\frac{11}{2} \div \frac{3}{4}$$

$$\frac{22}{3} \quad 3: 3, 6, 9, 12, 15, 18, 21, 24$$

$$7\frac{1}{3}$$

Question 02

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

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

$$\frac{11}{3} \times \frac{3}{2} = \frac{33}{6} \div 3 = \frac{11}{2}$$

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

$$\frac{11}{2} \quad 2: 2, 4, 6, 8, 10, 12$$

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

Question 03

Each serving of trail mix requires  $\frac{5}{12}$  of a cup of cashews. You have a total of  $1\frac{1}{2}$  cups of cashews. How many servings of trail mix can you make?

$$1\frac{1}{2} \div \frac{5}{12}$$

$$\frac{3}{2} \times \frac{12}{5} = \frac{36}{10} \div 2 = \frac{18}{5}$$

$$\frac{3}{2} \div \frac{5}{12}$$

$$\frac{18}{5} \quad 5: 5, 10, 15, 20$$

$$3\frac{3}{5}$$

Question 04

You have a total of  $1\frac{1}{3}$  cups of pecans. Each serving of trail mix requires  $\frac{5}{6}$  of a cup of pecans. How many servings can you make?

$$1\frac{1}{3} \div \frac{5}{6}$$

$$\frac{4}{3} \times \frac{6}{5} = \frac{24}{15} \div 3 = \frac{8}{5}$$

$$\frac{4}{3} \div \frac{5}{6}$$

$$\frac{8}{5} \quad 5: 5, 10$$

$$1\frac{3}{5}$$

Question 05

You have a total of  $4\frac{1}{3}$  cups of M&Ms. Each serving of trail mix requires  $1\frac{1}{2}$  of a cup of pecans. How many servings can you make?

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

$$\frac{13}{3} \times \frac{2}{3} = \frac{26}{9}$$

$$\frac{13}{3} \div \frac{3}{2}$$

$$\frac{26}{9} \quad 9: 9, 18, 27$$

$$2\frac{8}{9}$$