

**Word Problem Types**

The following one-step word problems fall into (at least) one of the categories listed below and, therefore, use one of the four arithmetic operations (addition, subtraction, multiplication, or division) in the solving of the problem. For each problem, discover

- Which category the problem best falls into,
- Which arithmetic operation should be used to solve the problem, and
- What the set-up of the problem is

Do not actually work out the problem; these don't necessarily have "nice" answers.

**Categories:**

I) Push together and count

II) Take-away model

III) Comparison model

IV) Repeated addition

V) Repeated subtraction

VI) Divvy-up model

**Word Problems:**

1) One can of coffee has  $12\frac{1}{2}$  oz. of coffee in it, a second can has  $5\frac{2}{3}$  oz. of coffee in it, and a third can has 10 oz. of coffee in it. If all of the coffee from these three cans is poured into one large can, how much coffee must the large can be able to hold?

2) Mr. Moss has  $2\frac{7}{8}$  acres of land that he has left to his children in his will. If each of his 5 children receives the same amount of land, how many acres will each of his children receive?

3) Sara is a flight attendant on an airplane that flies between 570 miles between Atlanta and St. Louis 4 times a day. How many air miles does she travel in one day on that airplane?

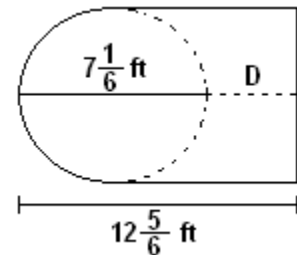
4) José is 6 ft 3.5 in tall and Marie is 5 ft 6.25 in tall. How much shorter is Marie than José?

5) A group of pies at a birthday party are split into a total of 36 pieces. If 12 people come to the party, how many pieces will each person get?

6) How many \$0.42 stamps can be bought for \$6.23?

7) How many 9.5 in boards can be cut from a board that is 300 in. long?

8) Refer to the figure on the right. What is the length of D?



9) Mike fixes 7 cars on Monday, 7 cars on Tuesday, and 7 cars on Thursday. How many cars does he fix those three days?

10) Our department has two first aid kits. One first aid kit has 4.9 meters of bandage and the second first aid has 3.2 meters of bandage. How many total meters of bandage do our first aid kits have altogether?

11) Sixteen fl. oz. of liquid are boiled so that some of the liquid is evaporated, and the liquid left over is thicker. If there are  $11\frac{3}{4}$  fl. oz. of liquid left after boiling, how many fl. oz. evaporated?

12) Sally is making a dress and needs 4 yards of fabric. She has  $3\frac{1}{3}$  yards of fabric. How much more fabric does she need?