



Word problems on Measurement of Weight:(Both systems)

1. An elevator can carry up to 12 persons with a maximum weight of 1,800 kg. What does the manufacturer of the elevator assume each person that takes the elevator weighs?
2. A pack of dog food that weighs 5 kg costs \$20. A smaller pack of dog food that is 500 g costs \$2.50. Which one has better value?
3. How many 30-g flower pots can a 6-kg pack of soil fill up?
4. The weight of a puppy is 1.6 kg and the weight of a kitten is 750 g. What is the difference in their weights (measured in g)?
5. There are two boxes of cereal in the kitchen. One contains 450 g of cereal and the other one contains 1.67 kg of cereal. How much cereal (measured in kg) are there in total?
6. The average weight of a car is 1,425 kg. A car carrier can take up to 9 cars. The car carrier takes **about** _____ kg if it is fully loaded up. a. 11,000 b. 12,000 c. 13,000
7. Jack is a professional weightlifter. His personal lifting record was 125.8 kg. At a weightlifting competition, he broke his own record by 540 g. What is his new record?
8. There are 8 small dumbbells in a box. Each of the dumbbells is 850 g and the box weighs 0.45 kg. What is the total weight (measured in kg) of the dumbbells set?



Word Problems: Measurement of Capacity(Both Systems)

1. Before a party, Ashley bought a tray of 24 water bottles; each bottle has a capacity of 12 oz. There are 30 guests. If each guest drinks 1 cup of water, is there enough water for all the guests?
2. Josh mixed 2 cartons of orange juice, 3 bottles of soda water and 6 cans of cocktail fruits to make a fruit punch for the Christmas party. Each carton of juice is 1 gallon and 3 quarts. Each soda water bottle contains 6 quarts. The cans of cocktail fruit are 2 pints each. How much (measured in gallons) of fruit punch did Josh make?
3. James has to fill 40 water bottles for the soccer team. Each bottle holds 500 milliliters of water. How many liters of water does James need in all?
4. Ms. Monet gave 2 cups of red paint to each of her 20 students. How many quarts of red paint did she give out?
5. Michael is planning a party for 30 people. He plans for each guest to drink 1 cup of juice. He has $2\frac{1}{2}$ gallons of juice. Does he have enough juice for the party?
6. Ms. Monet, the art teacher at Giverny School, has $3\frac{1}{2}$ quarts of liquid glue and 24 empty glue bottles that each hold 1 cup. Does she have enough glue to fill all of the bottles?
7. Ray has $3\frac{1}{2}$ gallons of maple syrup. He fills nine 1-quart bottles with syrup and gives them away. How many quarts of maple syrup does Ray have left? (1 gallon = 4 quarts)
8. Bonnie is making popsicles with chocolate milk. The capacity of each popsicle stick is 95 ml. How much milk (measured in L) does she need to make 15 popsicles?