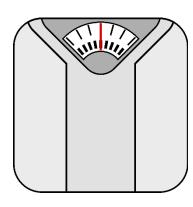# Mass word problems (metric units)

Grade 5 Word Problems Worksheet

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 cost $20. A smaller pack of dog food that is 500 g costs $2.50. Which one has better value?

3. How many 30-g flowerpots can a 6-kg pack of soil fill up?

4. 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?

5. 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)?

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

Answers

1. $1800 \div 12 = 150$
   The manufacturer of the elevator assumes each person weighs 150 kg.

2. $20 \div 5 = 4$
   The bigger pack costs $4 per kg.
   $2.5 \times 2 = 5$
   The smaller pack costs $5 per kg.
   The 5-kg pack is better value.

3. 6 kg = 6000 g
   $6000 \div 30 = 200$
   A 6-kg pack of soil can fill up 200 flowerpots.

4. 450 g = 0.45 kg
   1.67 + 0.45 = 2.12
   There are 2.12 kg of cereal in total.

5. 1.6 kg = 1,600 g
   1,600 − 750 = 850
   The difference in their weights is 850 g.

6. 1,425 x 9 = 12,825 kg
   Answer is (c).