A gram (g) is used to measure the weight or mass of very light objects. A small paperclip weighs about a gram.

A kilogram (kg) is used to measure the weight or mass of heavier objects. A one-liter bottle of water weighs about a kilogram.

1 kilogram = 1,000 grams

3 kg = ____ g  
3 kg x 1,000 = 3,000 g

6,000 g = ____ kg
6,000 ÷ 1,000 = 6 kg

6. 5,000 g = ____ kg
7. 7 kg = ____ g

8. 10,000 g = ____ kg
9. 30 kg = ____ g


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A **gram** (g) is used to measure the weight or mass of very light objects. A small paperclip weighs about a gram.

A **kilogram** (kg) is used to measure the weight or mass of heavier objects. A typical bottle of soda weighs about 1 kilogram.

**10.** Jan’s cat weighs 4 kg. Carl’s cat weighs 2,900 grams. Whose cat is heavier? Explain.

*Jan’s cat weighs more. Four kilograms equals 4,000 grams.*

*4,000 is greater than 2,900, therefore Jan’s cat is heavier.*