

# Converting between units of mass: kilograms and grams

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## 1 kilogram = 1000 grams

### 1 KILOGRAMS (kg) to GRAMS (g)

To convert from kilograms to grams, MULTIPLY by 1000.

- a) 3 kg = \_\_\_\_\_ g      e) 1.67 kg = \_\_\_\_\_ g  
b) 7 kg = \_\_\_\_\_ g      f) 8.945 kg = \_\_\_\_\_ g  
c) 5.2 kg = \_\_\_\_\_ g      g) 6.009 kg = \_\_\_\_\_ g  
d) 2.9 kg = \_\_\_\_\_ g      h) 12.85 kg = \_\_\_\_\_ g

### 2 GRAMS (g) to KILOGRAMS (kg)

To convert from grams to kilograms, DIVIDE by 1000.

- a) 5000 g = \_\_\_\_\_ kg      e) 955 g = \_\_\_\_\_ kg  
b) 3200 g = \_\_\_\_\_ kg      f) 780 g = \_\_\_\_\_ kg  
c) 6500 g = \_\_\_\_\_ kg      g) 25 g = \_\_\_\_\_ kg  
d) 9367 g = \_\_\_\_\_ kg      h) 15699 g = \_\_\_\_\_ kg

### 3 QUESTIONS:

a) An orange weighs 155 grams.

What's the weight of the orange in kilograms? \_\_\_\_\_ kg

b) Jackson bought 7.25 kilograms of apples.

What's the weight of the apples in grams? \_\_\_\_\_ g

c) Four bags of flour have a mass of 7455 grams. This is the same as \_\_\_\_\_ kilograms.

d) Sam needs 10 kg of lemons to make lemonade. If each bag of lemons weighs 1000 g, how many bags does he need? \_\_\_\_\_

e) How many 250 g bags of grapes are needed to make 5 kg?

\_\_\_\_\_