

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) $3 \text{ kg} = 3000 \text{ g}$

e) $1.67 \text{ kg} = 1670 \text{ g}$

b) $7 \text{ kg} = 7000 \text{ g}$

f) $8.945 \text{ kg} = 8945 \text{ g}$

c) $5.2 \text{ kg} = 5200 \text{ g}$

g) $6.009 \text{ kg} = 6009 \text{ g}$

d) $2.9 \text{ kg} = 2900 \text{ g}$

h) $12.85 \text{ kg} = 12850 \text{ g}$

2

GRAMS (g) to KILOGRAMS (kg)

To convert from grams to kilograms, DIVIDE by 1000.

a) $5000 \text{ g} = 5 \text{ kg}$

e) $955 \text{ g} = 0.955 \text{ kg}$

b) $3200 \text{ g} = 3.2 \text{ kg}$

f) $780 \text{ g} = 0.78 \text{ kg}$

c) $6500 \text{ g} = 6.5 \text{ kg}$

g) $25 \text{ g} = 0.025 \text{ kg}$

d) $9367 \text{ g} = 9.367 \text{ kg}$

h) $15699 \text{ g} = 15.699 \text{ kg}$

3

QUESTIONS:

a) An orange weighs 155 grams.

What's the weight of the orange in kilograms? 0.155 kg

b) Jackson bought 7.25 kilograms of apples.

What's the weight of the apples in grams? 7250 g

c) Four bags of flour have a mass of 7455 grams. This is the same as 7.455 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? 10

e) How many 250 g bags of grapes are needed to make 5 kg? 20