Equivalent masses (kilograms and grams)

1 Which sets of weights have a total mass equivalent to 1 kilogram?

Explain your answer.

2 Complete the sentences.

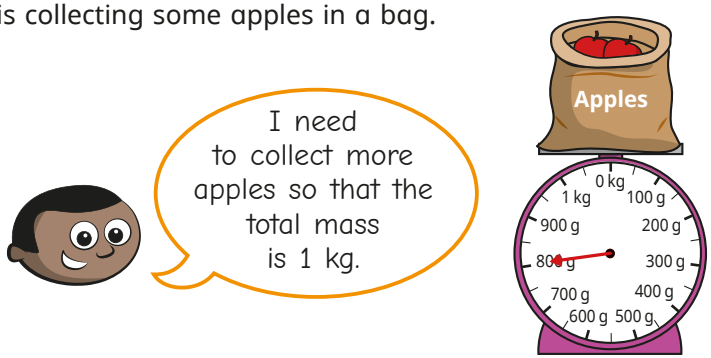
There are ☐ grams in 1 kilogram.

1 kilogram is equivalent to ☐ grams.

3 Choose weights that have a total mass of 1 kg.

Is there more than one way to do it?

4 Mo is collecting some apples in a bag.



How many more grams of apples does Mo need?

5 Complete the number sentences.

a) 300 g + ☐ g = 1 kg

b) 800 g + ☐ g = 1 kg

c) ☐ g + 100 g = 1 kg

d) 1 kg = ☐ g + 500 g

e) 250 g + ☐ g = 1 kg

f) ☐ g + 990 g = 1 kg

g) 1 kg = 850 g + ☐ g

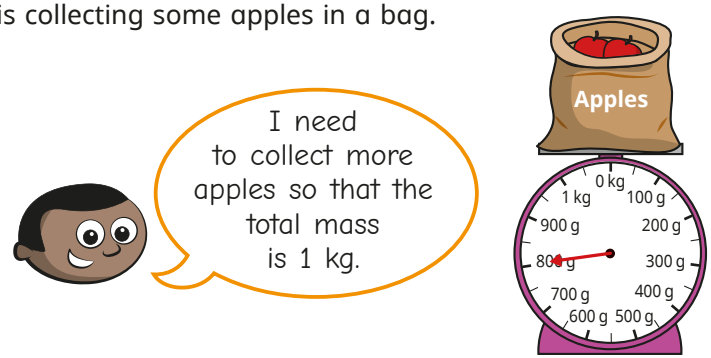
h) 480 g + ☐ g = 1 kg

Equivalent masses (kilograms and grams)

3 Choose weights that have a total mass of 1 kg.

Is there more than one way to do it?

4 Mo is collecting some apples in a bag.



How many more grams of apples does Mo need?

5 Complete the number sentences.

a) 300 g + ☐ g = 1 kg

b) 800 g + ☐ g = 1 kg

c) ☐ g + 100 g = 1 kg

d) 1 kg = ☐ g + 500 g

e) 250 g + ☐ g = 1 kg

f) ☐ g + 990 g = 1 kg

g) 1 kg = 850 g + ☐ g

h) 480 g + ☐ g = 1 kg

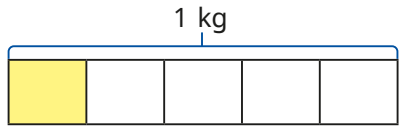
6 Use the bar models to find the fractions of a kilogram.

Give your answers in grams.

a)

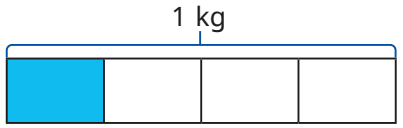
$\frac{1}{2}$ kg

c)



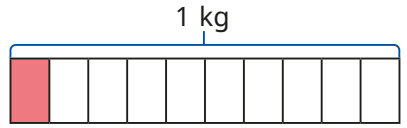
$\frac{1}{5}$ kg

b)



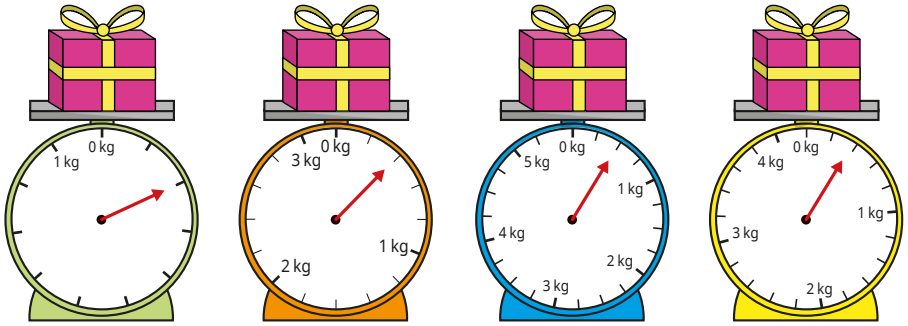
$\frac{1}{4}$ kg

d)



$\frac{1}{10}$ kg

7 Tiny is measuring the masses of some presents.



Do you agree with Tiny?

Explain your answer.