1 Tick all the sets of weights that have a total mass equivalent to 1 kilogram.

| 200 g | 200 g | 200 g | 100 g | 100 g |

| 500 g | 500 g |

| 100 g | 100 g | 100 g | 100 g | 100 g | 100 g | 100 g | 100 g | 50 g | 50 g | 50 g | 50 g |

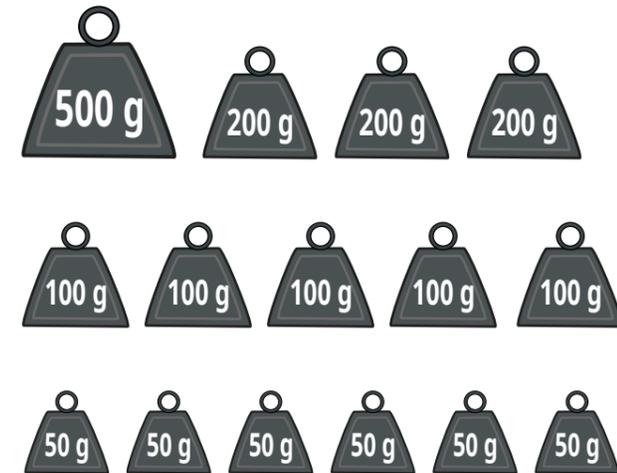| 200 g | 200 g | 200 g | 200 g | 200 g |

| 20 g | 20 g | 50 g | 10 g |
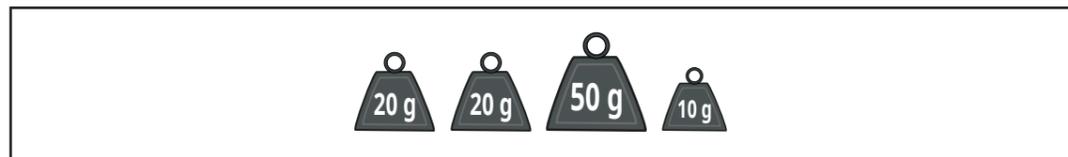
Explain your answer.

2 Complete the sentences.

There are [ ] grams in 1 kilogram.

1 kilogram is equivalent to [ ] grams.

3 Circle 1 kg.

500 g   200 g   200 g   200 g

100 g   100 g   100 g   100 g   100 g

50 g   50 g   50 g   50 g   50 g   50 g

Is there more than one way to do it?

4 Mo is collecting some apples in a bag.

I need to collect more apples so that the total mass is 1 kg.

Apples

0 kg
1 kg   100 g
900 g   200 g
800 g   300 g
700 g   400 g
600 g   500 g
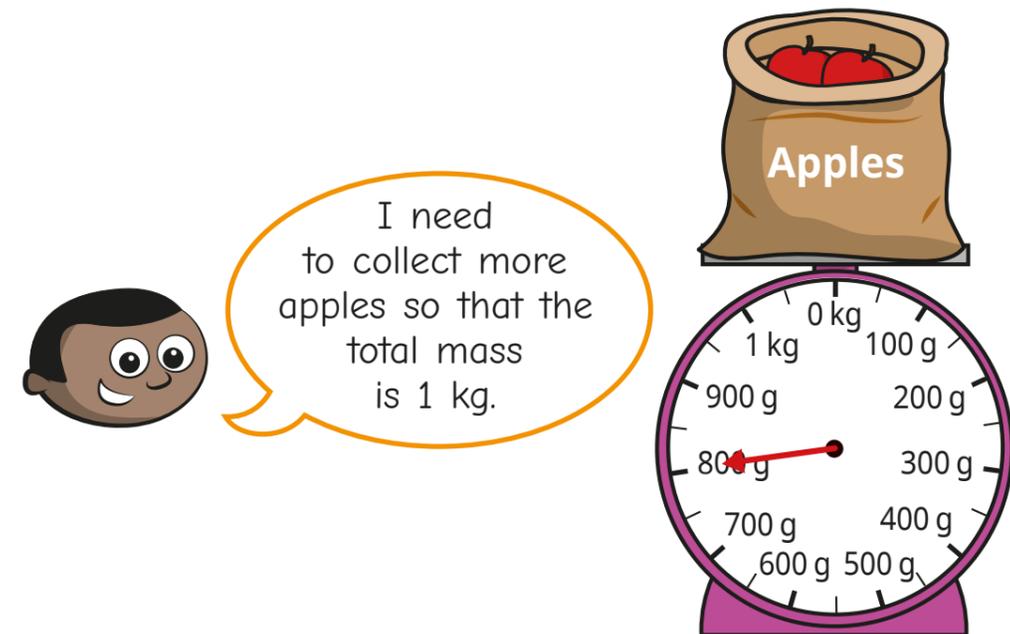
How many more grams of apples does Mo need?

[ ] g

5 Complete the number sentences.

a) 300 g + ⬚ g = 1 kg

e) 250 g + ⬚ g = 1 kg

b) 800 g + ⬚ g = 1 kg

f) ⬚ g + 990 g = 1 kg

c) ⬚ g + 100 g = 1 kg

g) 1 kg = 850 g + ⬚ g

d) 1 kg = ⬚ g + 500 g

h) 480 g + ⬚ g = 1 kg

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

a)

1 kg

$\frac{1}{2}$ kg = ⬚ g

b)

1 kg

$\frac{1}{4}$ kg = ⬚ g

c)

1 kg

$\frac{1}{5}$ kg = ⬚ g

d)
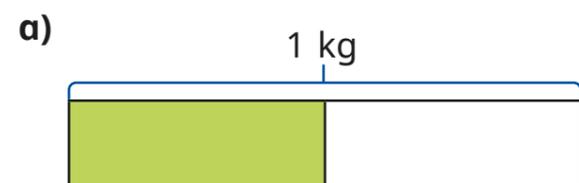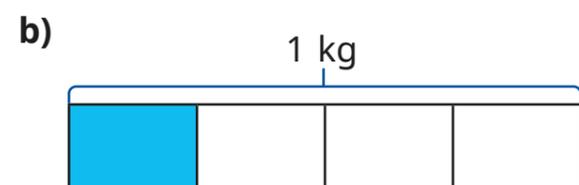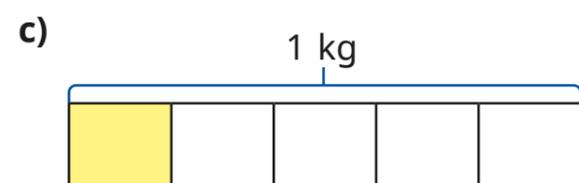
1 kg
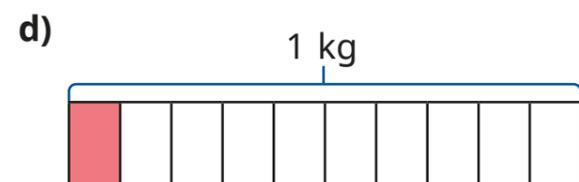
$\frac{1}{10}$ kg = ⬚ g

7 Tiny is measuring the masses of some presents.
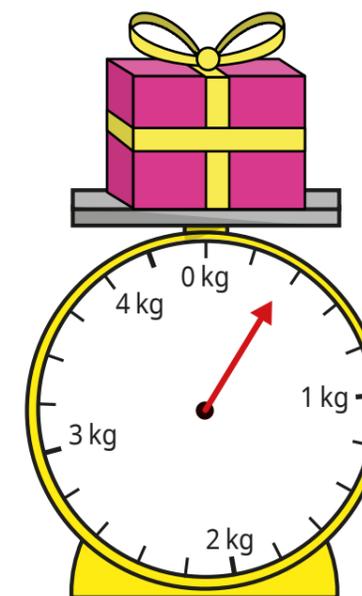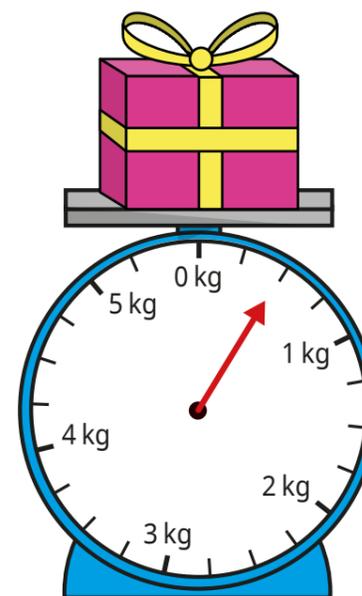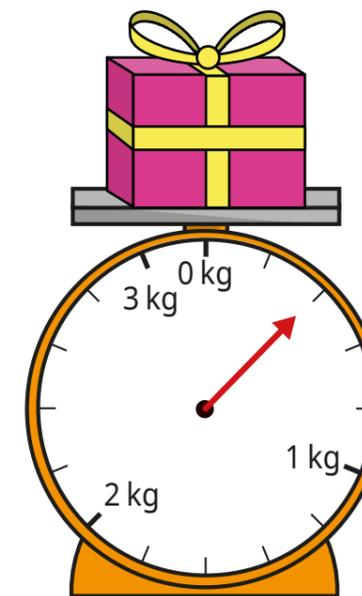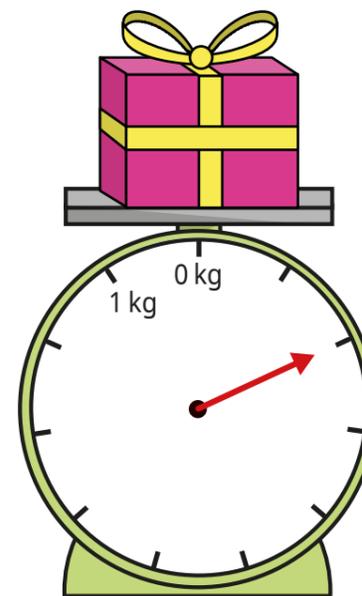
Each present has the same mass, because the arrow is pointing to the second line on each scale.

Do you agree with Tiny? _____

Explain your answer.

White Rose Maths