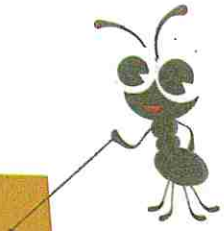
onverting masses

nvert between grams and kilograms



1 Write these masses in grams.

Example
$3\frac{1}{10}$ kg = 3000 g + 100 g
= 3100 g

a $2\frac{1}{2}$ kg **b** $4\frac{1}{10}$ kg **c** $6\frac{1}{4}$ kg

d $3\frac{3}{10}$ kg **e** $5\frac{7}{10}$ kg **f** $7\frac{9}{10}$ kg

2 Write these masses in kilograms and grams.

Example
2040 g = 2000 g + 40 g
= 2 kg 40 g

a 6260 g **b** 9530 g **c** 6060 g

d 9500 g **e** 6200 g **f** 9030 g

3 Copy and complete.

a $3\frac{1}{2}$ kg = 3· kg **b** $3\frac{1}{4}$ kg = 3· kg **c** 3 kg = 3·75 kg

d 3 kg = 3·1 kg **e** $3\frac{7}{10}$ kg = 3· kg **f** 3 kg = 3.9 kg

4 Write the mass of each kitten in grams.

Example
2·25 kg = 2000 g + 250 g
= 2250 g

a 2·5 kg

b 4·2 kg

c 3·25 kg

d 1·75 kg

e 3·6 kg

f 2·9 kg

Challenges 2,3

1 Write these masses in kilograms and grams.

Example
3060 g = 3 kg 60 g

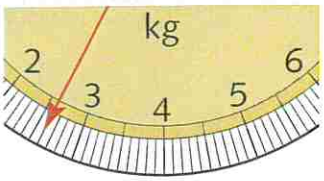
a 4350 g b 3920 g c 5180 g

d 3020 g e 5080 g f 4050 g

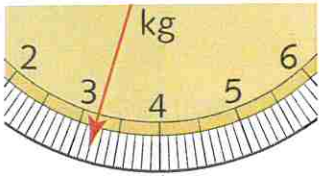
2 Write each of the masses in Question 1 in kilograms using decimals to 2 places.

Example
3060 g = 3·06 kg

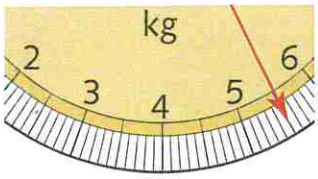
3 Each of these scales shows the mass of 1 pack of 10 books.



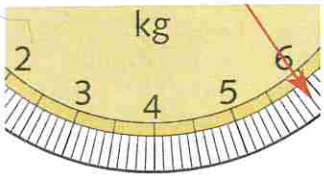
A workbooks



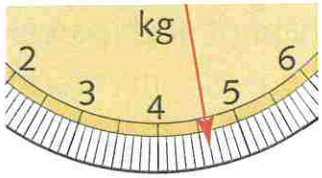
B textbooks



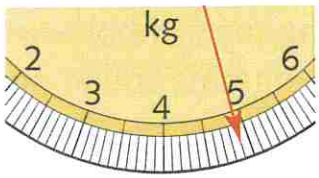
C atlases



D readers



E dictionaries

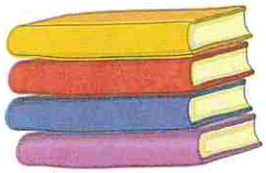


F history books

a Write the mass of each pack of books:

i in kilograms to 1 decimal place

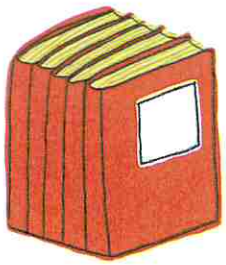
ii in grams



b For each pack, find the mass of 1 book:

i in kilograms

ii in grams



c Find the mass of 10 packs of each book in kilograms.

Challenge 3

A primary school ordered 50 workbooks, 50 textbooks and 50 readers. Find the total mass of their order.