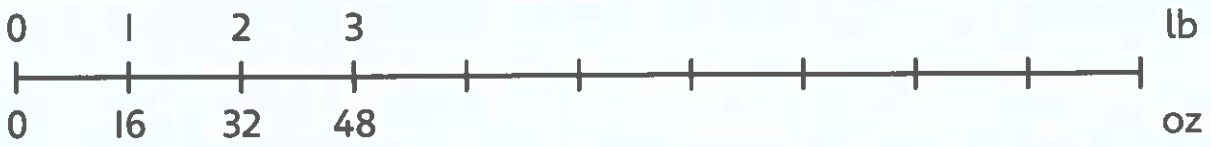
→ Textbook 5C p168

mperial units of mass

1 pound (1 lb) is the same as 16 ounces (16 oz).

1 Complete the number line. Use it to work out each conversion.



a) 3 lb = ☐ oz

b) ☐ lb = 112 oz

c) 5 lb = ☐ oz

d) 8 lb 2 oz = ☐ oz

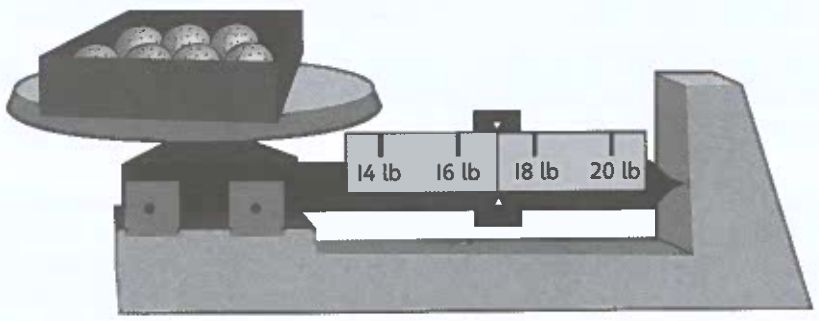
e) ☐ lb ☐ oz = 51 oz

f) $\frac{1}{2}$ lb = ☐ oz

g) $\frac{1}{4}$ lb = ☐ oz

h) 4·5 lb = ☐ oz

a) What is the mass of the box of oranges in pounds?



The box of oranges has a mass of ☐ lb.

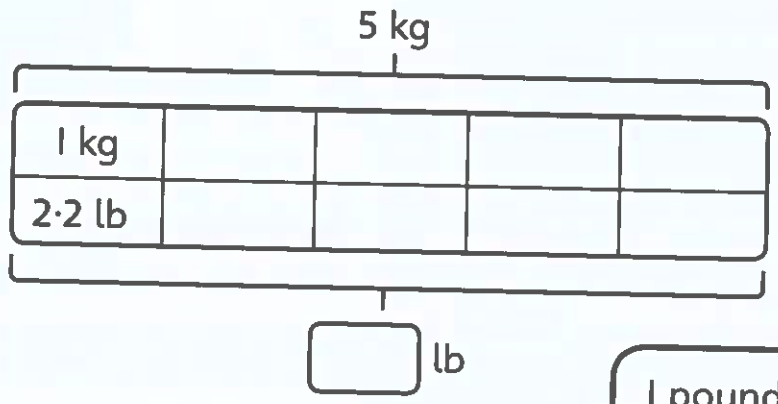
b) How many ounces is this equal to?

☐ lb = ☐ oz

3 1 kg is about the same as 2·2 lb.

Max says that his cat has a mass of about 5 kg.

Complete the bar model to show whether Max is correct.



11 lb

4 Help Richard solve the problem. Explain your answer.

I pound is about 450 g. I wonder how you can find $3\frac{1}{2}$ lbs in kilograms?

Richard

5 Crack the code!

a) Colour the three measurements that are approximately equal to 10 lb.

S = 4·5 g	O = 4·5 kg	R = 1·6 oz
I = 450 g	A = 450 kg	N = 160 oz
T = 4,500 g	E = 4,500 kg	P = 16 oz

b) Rearrange the three letters you coloured in to spell a different imperial unit (equal to 2,240 lb).

The imperial unit is _____ .

CHALLENGE

A giant octopus has a mass of about 7 stone and 2 lb.

a) What is its mass in pounds?

1 stone (st) = 14 lb
1 kg = 2·2 lb

The giant octopus has a mass of ☐ lb.

b) What is its mass in kilograms?

I can work out 10 lb and use this to help me work out my answer.

The giant octopus has a mass of ☐ kg.

flect

all dog has a mass of 14 lb. Describe how you could calculate this mass in ic units.

→ Textbook 5C p172

Imperial units of capacity

1 1 pint is approximately equal to 570 ml.

Add 570 each time and complete the bar model.

1 pt	2 pt	3 pt					
570 ml	1,140 ml	1,710 ml					

2 Use the bar model in question 1 to complete these measurements.

a) 5 pints = ☐ ml

b) ☐ pints = 4,560 ml

c) 3 pints = ☐ ml

d) 1 litre 140 ml = ☐ pints

e) ☐ litres ☐ ml = 6 pints

f) ☐ pints = 3·99 litres

g) $\frac{1}{2}$ pint = ☐ millilitres

3 There are 8 pints in a gallon.

Circle the measurement that is nearest to 1 gallon.

4 litres $4\frac{1}{2}$ litres 5 litres

Explain your answer.