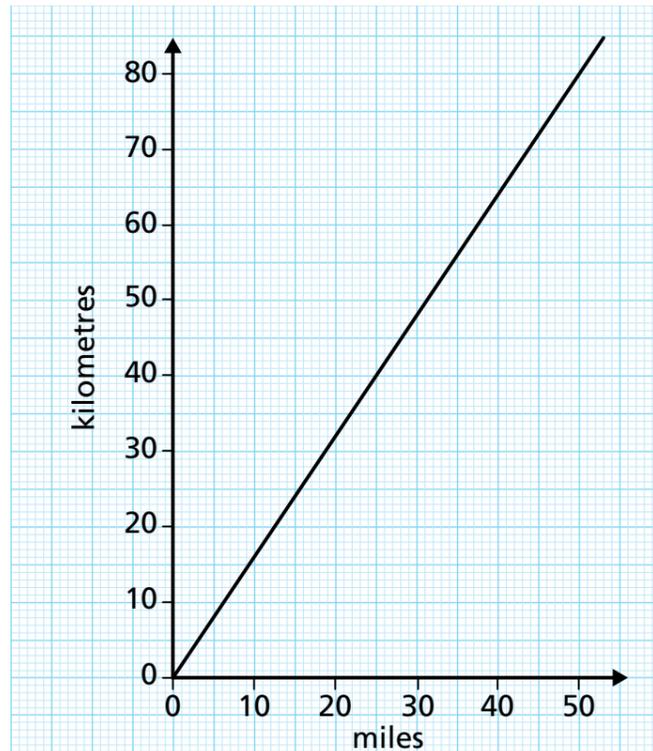


# Explore conversion graphs

1 This is a conversion graph between miles and kilometres.



a) Use the graph to make approximate conversions.

10 miles =  kilometres

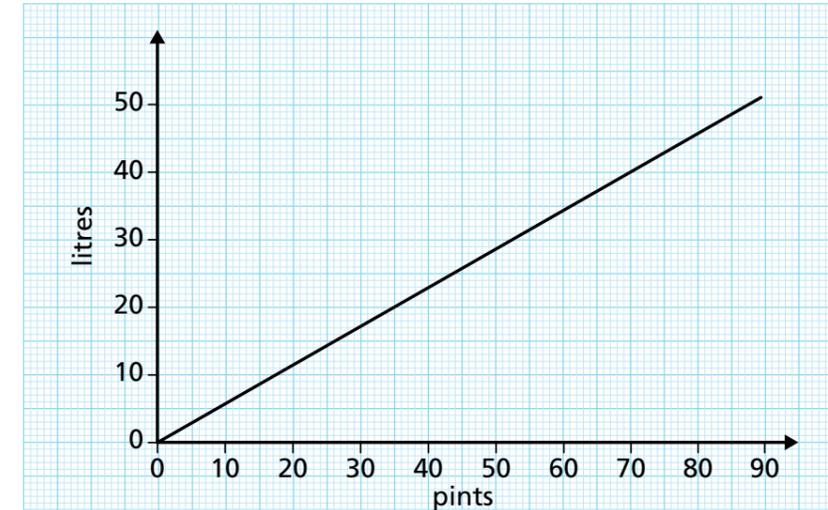
40 miles =  kilometres

40 kilometres =  miles

80 kilometres =  miles

b) Use your last answer to make an approximate conversion of 800 kilometres to miles.

2 This is a conversion graph between pints and litres.



a) Use the graph to make approximate conversions.

40 pints =  litres

40 litres =  pints

20 litres =  pints

35 pints =  litres

b) Jack and Dora want to convert 100 pints to litres. Complete their methods.

**Jack's method**

100 pints = 70 pints + 30 pints

70 pints =  litres

30 pints =  litres

So 100 pints =  litres

**Dora's method**

100 pints = 2 × 50 pints

50 pints =  litres

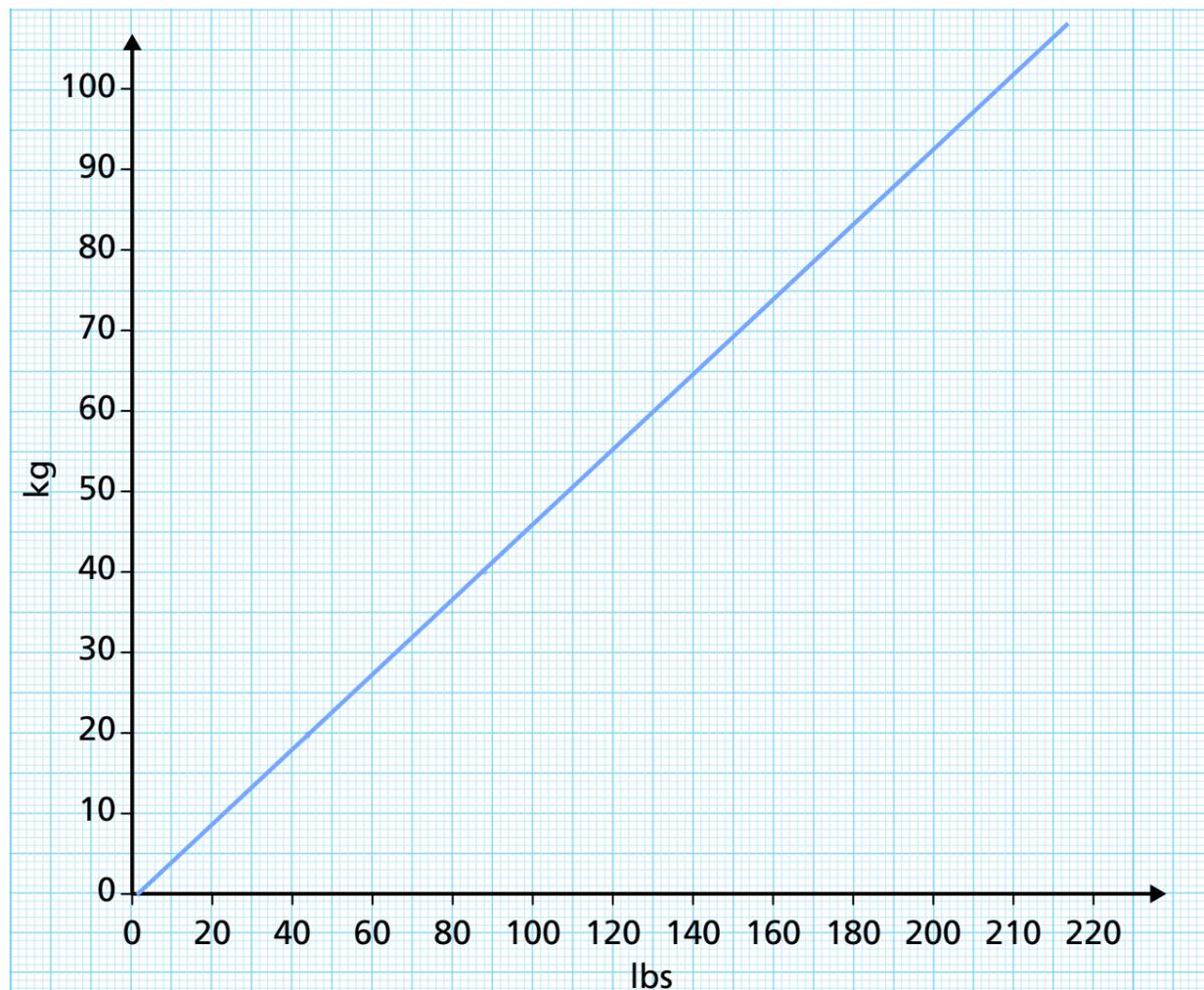
So 100 pints =  litres

c) Choose one of these methods to convert 100 litres into pints.

100 litres =  pints



- 3 20 kg is approximately equal to 44 lbs.  
Use this information to draw a conversion graph.



- a) Use your graph to complete the approximate conversions.

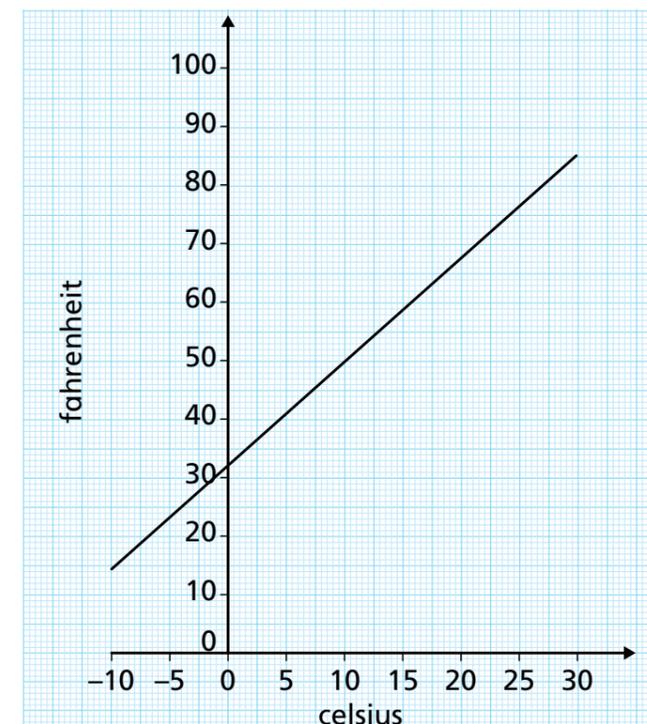
$$75 \text{ lbs} = \boxed{34} \text{ kg}$$

$$82 \text{ kg} = \boxed{176} \text{ lbs}$$

- b) Use the graph to find your own conversions.



- 4 The graph shows a conversion between Celsius and Fahrenheit.



The table shows the temperature at midnight and midday in Oslo and New York.

Oslo		New York	
Midnight	Midday	Midnight	Midday
-5°C	41°F (5°C)	32°F (0°C)	8°C

↗ +10°C
↘ +8°C

In which city does the temperature change the most between midnight and midday? Show your workings.

The temperature changes most between midnight and midday in

Oslo.