



# FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Level 2

## Conversion Graphs

### Materials

- You **cannot** use a calculator for **questions** with this symbol.



### Instructions

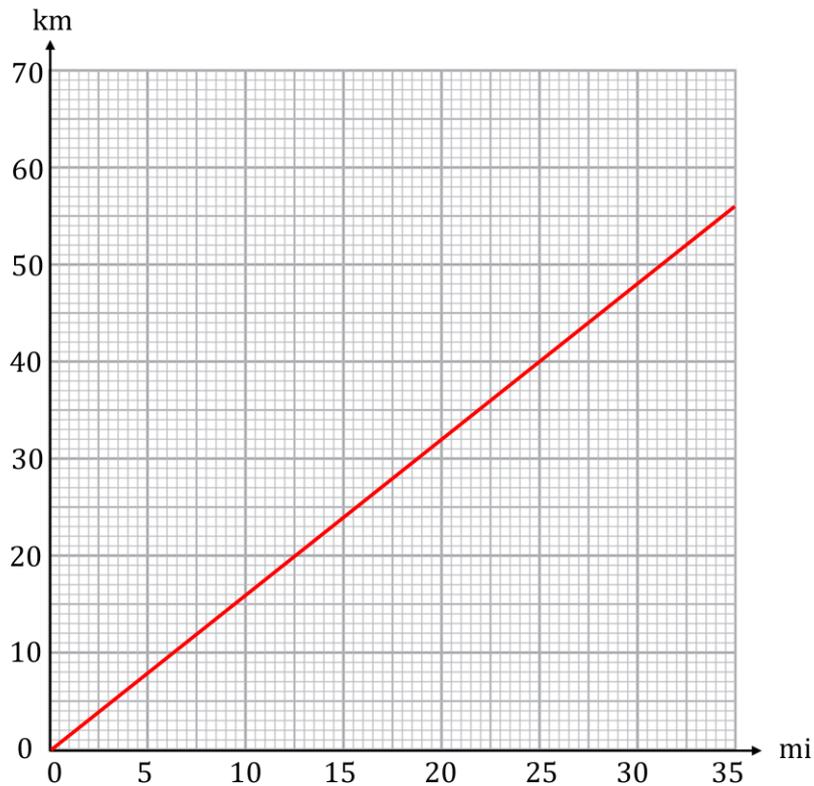
- Answer **all** questions.
- Answer questions on separate paper.

### Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.



**Q1** The following graph shows conversion between miles (mi) and kilometres (km).

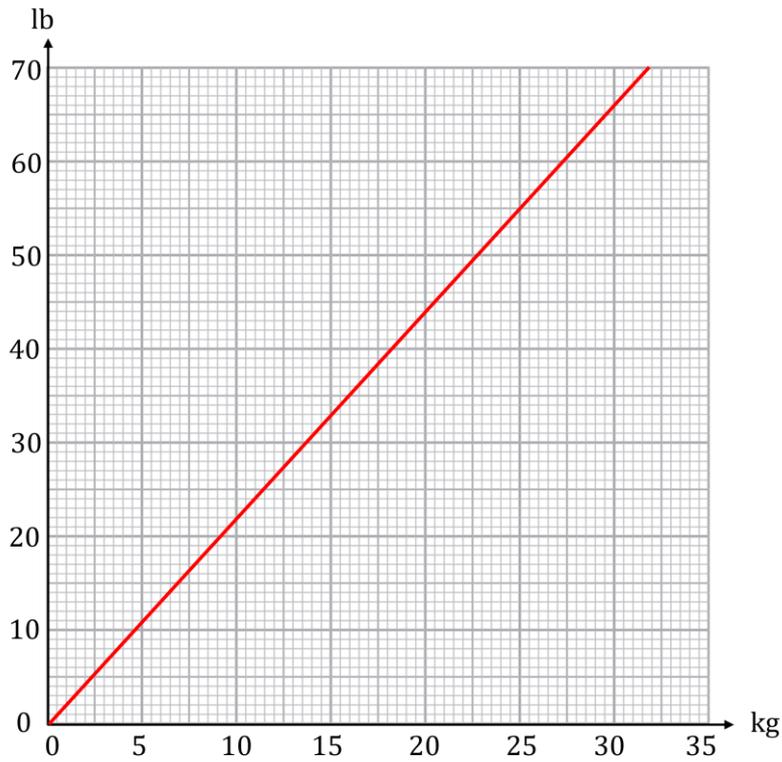


- 1(a)** What is 5 miles in kilometres? **[1 mark]**
- 1(b)** What is 24 kilometres in miles? **[1 mark]**
- 1(c)** What is 30 miles in kilometres? **[1 mark]**
- 1(d)** What is 32 kilometres in miles? **[1 mark]**
- 1(e)** What is 25 miles in kilometres? **[1 mark]**



**Q2**

The following graph shows conversion between kilograms (kg) and pounds (lb).



**2(a)** What is 5 kilograms in pounds?

[1 mark]

**2(b)** What is 22 pounds in kilograms?

[1 mark]

**2(c)** What is 15 kilograms in pounds?

[1 mark]

**2(d)** What is 66 pounds in kilograms?

[1 mark]

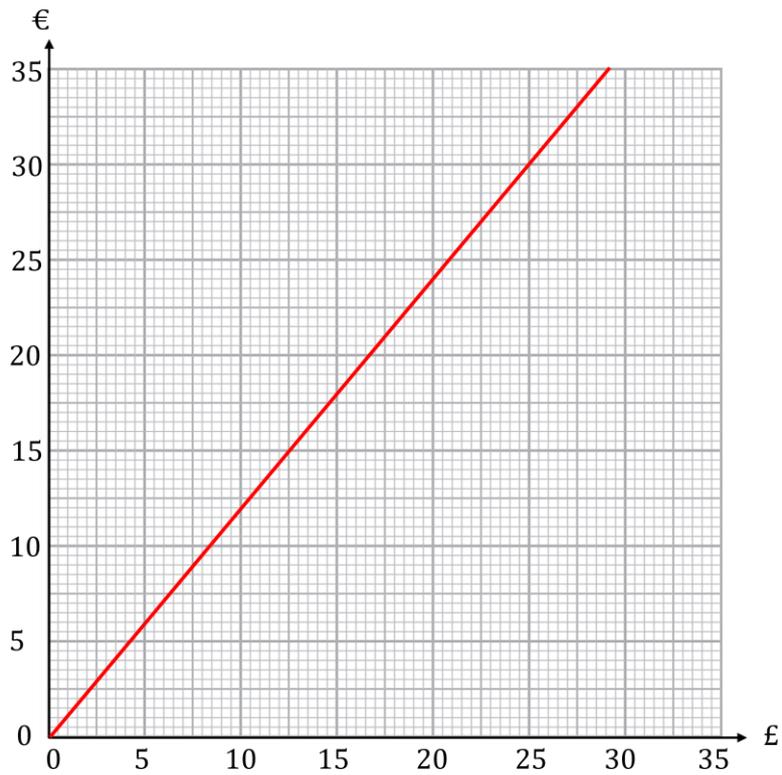
**2(e)** What is 25 kilograms in pounds?

[1 mark]



**Q3**

The following graph shows conversion between pounds (£) and euros (€).



**3(a)** What is £5 in euros?

[1 mark]

**3(b)** What is €12 in pounds?

[1 mark]

**3(c)** What is £25 in euros?

[1 mark]

**3(d)** What is €18 in pounds?

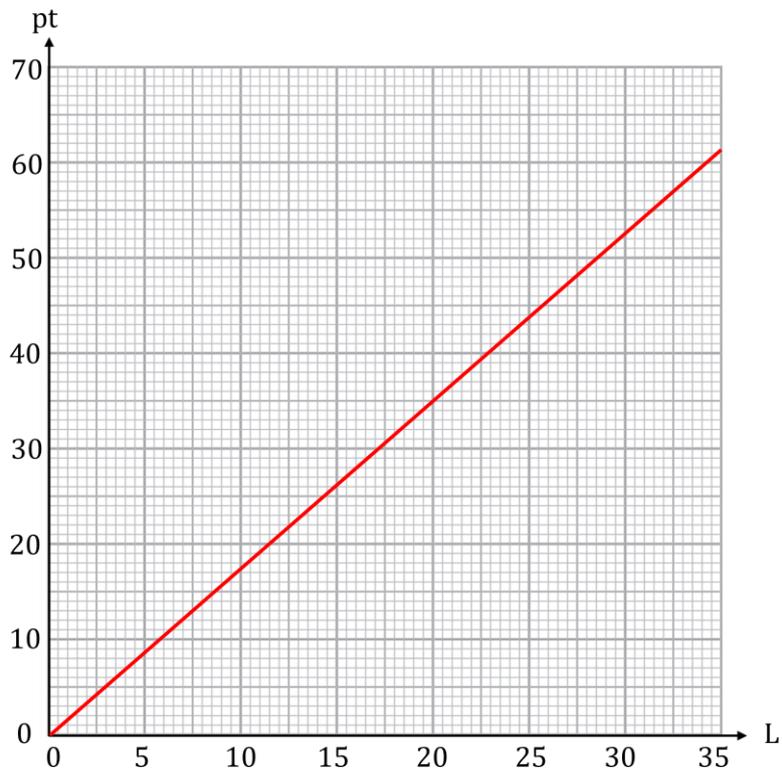
[1 mark]

**3(e)** What is £20 in euros?

[1 mark]



**Q4** The following graph shows conversion between pints (pt) and litres (L).



**4(a)** What is 7 pints in litres?

[1 mark]

**4(b)** What is 24 litres in pints?

[1 mark]

**4(c)** What is 28 pints in litres?

[1 mark]

**4(d)** What is 32 litres in pints?

[1 mark]

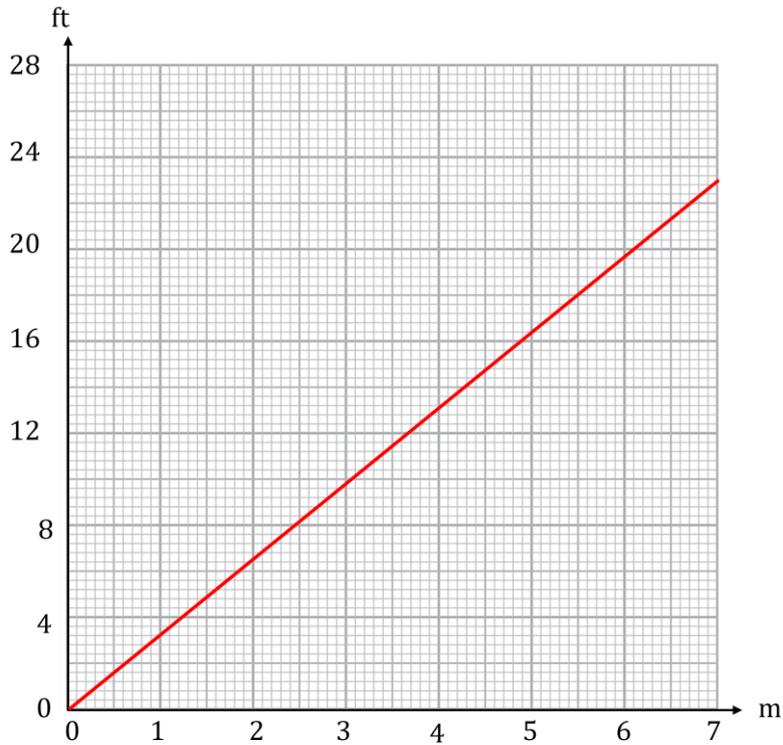
**4(e)** What is 49 pints in litres?

[1 mark]



**Q5**

Wilbert has a tape measure. He suspects that the feet measurements of the tape measure are incorrect. He finds the following conversion graph for feet and metres on the internet.



**5(a)** What is 10 feet in metres?

**[1 mark]**

**5(b)** Wilbert's tape measure suggests that 20 feet is equal to 6.5 metres.  
Is this correct? What is 20 feet equal to in metres?

**[2 marks]**

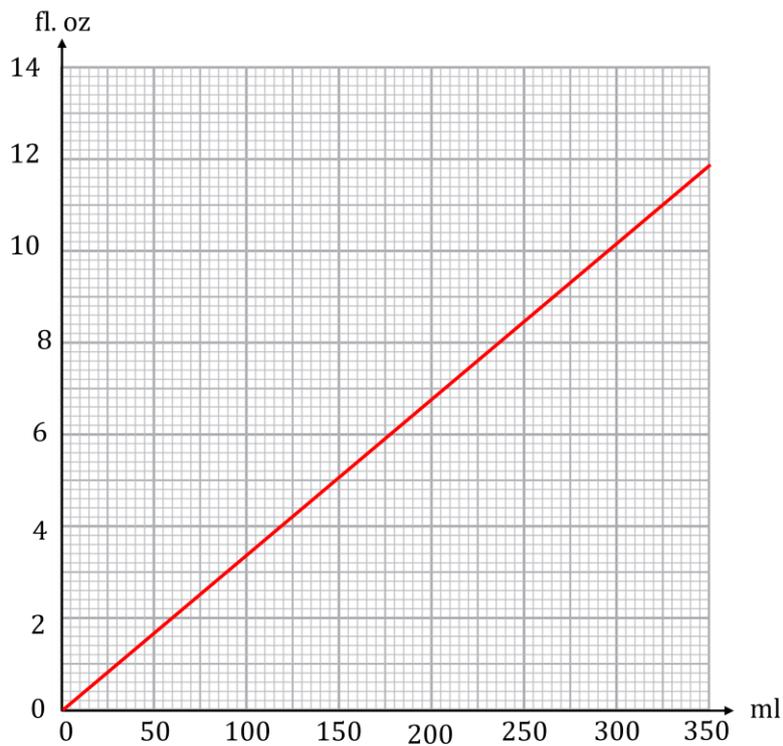
**5(c)** Wilbert buys a new tape measure, which says that 4.5 metres is equal to 15 feet. Is this correct?

**[1 mark]**



**Q6**

Sanjeev is baking. The recipe is in millilitres (ml) but Sanjeev's measuring jug is in fluid ounces (fl. oz). The recipe book contains this conversion chart:



**6(a)** What is 4 fluid ounces in millilitres?

[1 mark]

**6(b)** The recipe requires 25 ml of oil. What is this in fluid ounces?

[1 mark]

**6(c)** The recipe requires 200 ml of water. What is this in fluid ounces?

[1 mark]

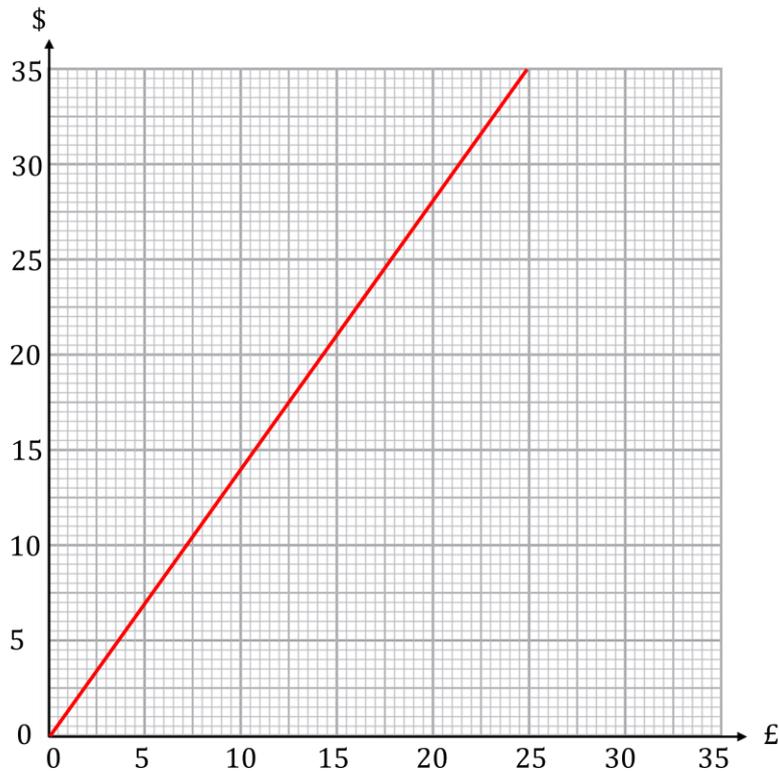
**6(d)** The recipe requires 300 ml of melted butter. What is this in fluid ounces?

[1 mark]



**Q7**

Herman is going on holiday to the USA. He sees this conversion chart for pounds (£) and dollars (\$) outside a currency exchange.



**7(a)** How many dollars is £5?

**[1 mark]**

**7(b)** How many pounds is \$14?

**[1 mark]**

**7(c)** How many dollars is £25?

**[1 mark]**

**7(d)** Herman intends to convert £250 into dollars. By using your answer to 1(c), or otherwise, find how many dollars he will get.

**[2 marks]**

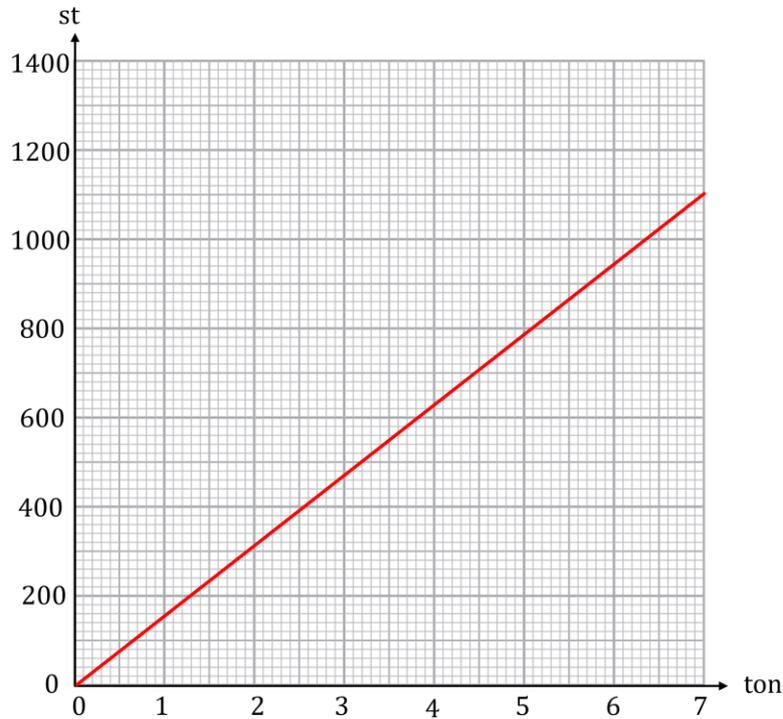
**7(e)** Herman returns with \$140. By using your answer to (b), or otherwise, find how many pounds he will get when he converts these.

**[2 marks]**



**Q8**

Antonia works at a car dealership. To comply with a new regulation, she must list the weight of cars both in stone (st) and tons. Some are currently only in stone and some are currently only in tons.



**8(a)**

Complete the table for Antonia.

Car	Weight (stone)	Weight (ton)
Tayata Mover		1
Beta Juliet VC1	200	
Ferrero 458		3
Nuva Rome		2
Citero Estado	400	

[5 marks]

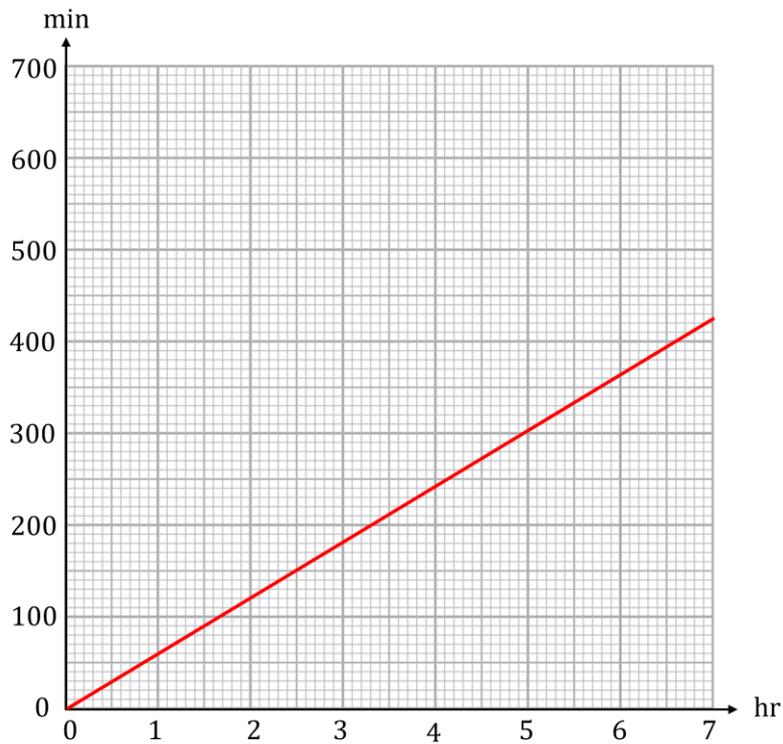
**8(b)**

A customer asks to buy the lightest car the dealership has. Which car is this? State how much it weighs in both stone and tons.

[2 marks]



**Q9** Theodoros draws this conversion chart between minutes and hours.



**9(a)** How many minutes does Theodoros think there are in 1 hour? Is he correct?

**[2 marks]**

**9(b)** Use Theodoros' chart to find the number of hours in 180 minutes.

**[1 mark]**

**9(c)** Theodoros says "My chart shows that 300 minutes is 6 hours".  
Is he correct? What is 300 minutes in hours?

**[2 marks]**