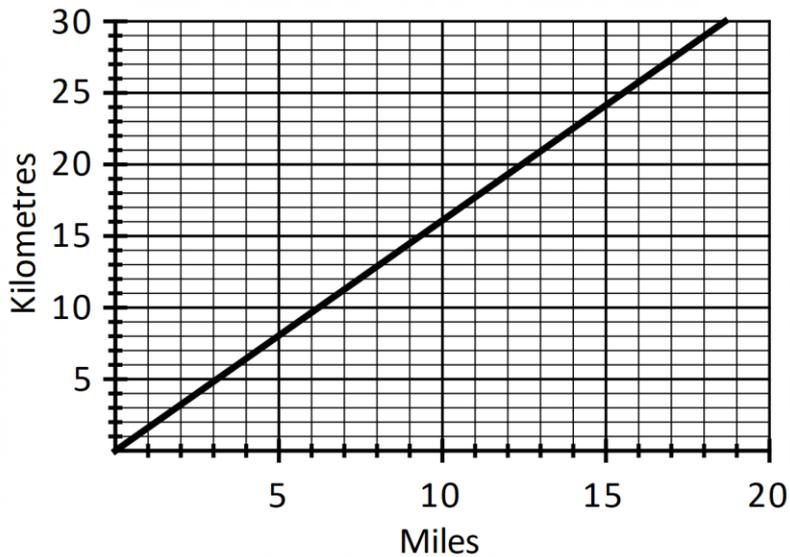


I can.....

1	Pipe costs £4.50 per metre a) Work out the cost of 8m of pipe. b) Work out the cost of 0.5m of pipe.	★ Solve problems using direct proportion
2	3m of ribbon costs £7.05 a) How much would 1m of ribbon cost? b) How much would 7m of ribbon cost?	
3	A shop sells 3 different types of coffee beans 200 g of Kenyan beans cost £2.50 300 g of Columbian beans cost £4.20 150 g of Italian beans cost £1.95 a) Work out the cost of 100g of each type of bean b) Which type of bean is the cheapest?	★★ Work out the 'best buy'
4	Two shops sell home made soap Shop A sells 200 g of soap for £4.40 Shop B sells 125 g of soap for £2.50 Which shop is best value for money?	
5	Sausages are sold in packs of 6 for £3.30 or packs of 8 for £4.00 Which size pack is the better value for money?	
6	A recipe for biscuits uses 300 g of sugar to make 12 biscuits How much sugar is needed to make 15 biscuits?	★★ Use proportion to change recipes and ingredient quantities
7	A recipe for bolognaise for 6 people uses 390 g of minced beef. How much minced beef is needed to make bolognaise for 10 people?	
8	Keegan goes on holiday to France. The exchange rate is £1 = €1.20 a) If Keegan changes £520 into Euros, how many Euros will he get? b) After his holiday Keegan changes €84.00 back into pounds. How many pounds does he get?	★★ Use exchange rates
9	Jess is in Miami and pays \$16.20 for a burger. If the exchange rate is £1=\$1.35 how much is this in pounds?	

10 The following conversion graph is for changing miles into kilometres



Use the graph to complete the following

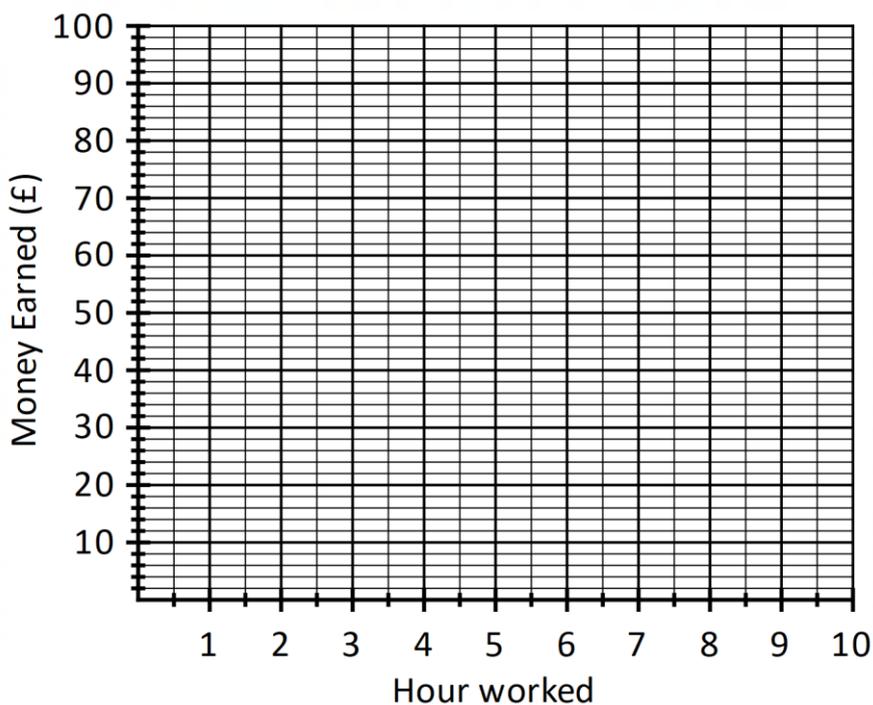
- a) 5 miles =
- b) 24 km =
- c) 45 miles =

11 Jai earns £9.75 per hour

a) Complete the table of values

Hours worked	2	5	8
Money earned			

b) Use the pairs of values to plot a conversion graph.

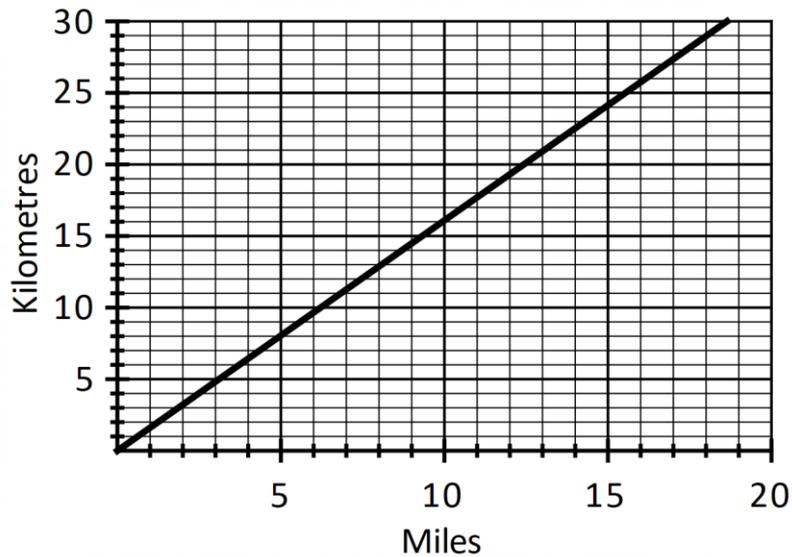


★★
Plot and use
conversion
graphs

I can.....

1	<p>Pipe costs £4.50 per metre</p> <p>a) Work out the cost of 8m of pipe. £36.00</p> <p>b) Work out the cost of 0.5m of pipe. £2.25</p>	★ Solve problems using direct proportion
2	<p>3m of ribbon costs £7.05</p> <p>a) How much would 1m of ribbon cost? £2.35</p> <p>b) How much would 7m of ribbon cost? £16.45</p>	
3	<p>A shop sells 3 different types of coffee beans</p> <p>200 g of Kenyan beans cost £2.50 £1.25</p> <p>300 g of Columbian beans cost £4.20 £1.40</p> <p>150 g of Italian beans cost £1.95 £1.30</p> <p>a) Work out the cost of 100g of each type of bean</p> <p>b) Which type of bean is the cheapest? Kenyan</p>	★ Work out the 'best buy'
4	<p>Two shops sell home made soap</p> <p>Shop A sells 200 g of soap for £4.40 £2.20 per 100g</p> <p>Shop B sells 125 g of soap for £2.50 £2.00 per 100g</p> <p>Which shop is best value for money? Shop B</p>	
5	<p>Sausages are sold in packs of 6 for £3.30 or packs of 8 for £4.00</p> <p>Which size pack is the better value for money? $3.30 \div 6 = \text{£}0.55$ $4.00 \div 8 = \text{£}0.50$</p> <p>8 pack is best value</p>	
6	<p>A recipe for biscuits uses 300 g of sugar to make 12 biscuits</p> <p>How much sugar is needed to make 15 biscuits? 375 g</p>	Use proportion to change recipes and ingredient quantities
7	<p>A recipe for bolognaise for 6 people uses 390 g of minced beef. How much minced beef is needed to make bolognaise for 10 people? 650g</p>	
8	<p>Keegan goes on holiday to France. The exchange rate is £1 = €1.20</p> <p>a) If Keegan changes £520 into Euros, how many Euros will he get? €624</p> <p>b) After his holiday Keegan changes €84.00 back into pounds. How many pounds does he get? £70</p>	Use exchange rates
9	<p>Jess is in Miami and pays \$16.20 for a burger. If the exchange rate is £1=\$1.35 how much is this in pounds? £12.00</p>	

10 The following conversion graph is for changing miles into kilometres



Use the graph to complete the following

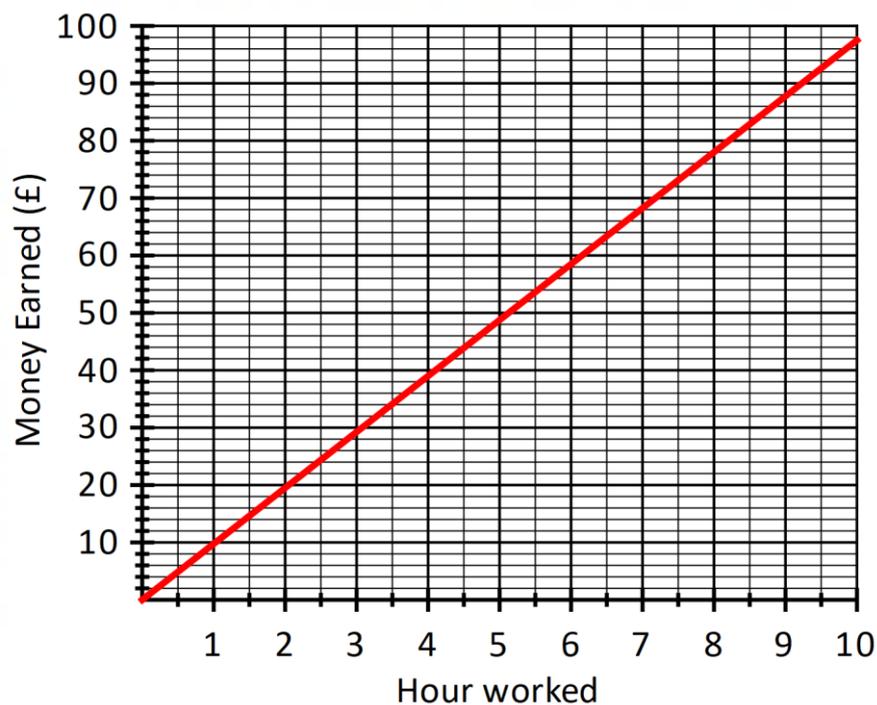
- a) 5 miles = 8 km
- b) 24 km = 15 miles
- c) 45 miles = 72 km

11 Jai earns £9.75 per hour

a) Complete the table of values

Hours worked	2	5	8
Money earned	£19.50	£48.75	£78

b) Use the pairs of values to plot a conversion graph.



★★
Plot and use
conversion
graphs

