

Name: _____

Exam Style Questions



Conversion Graphs

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

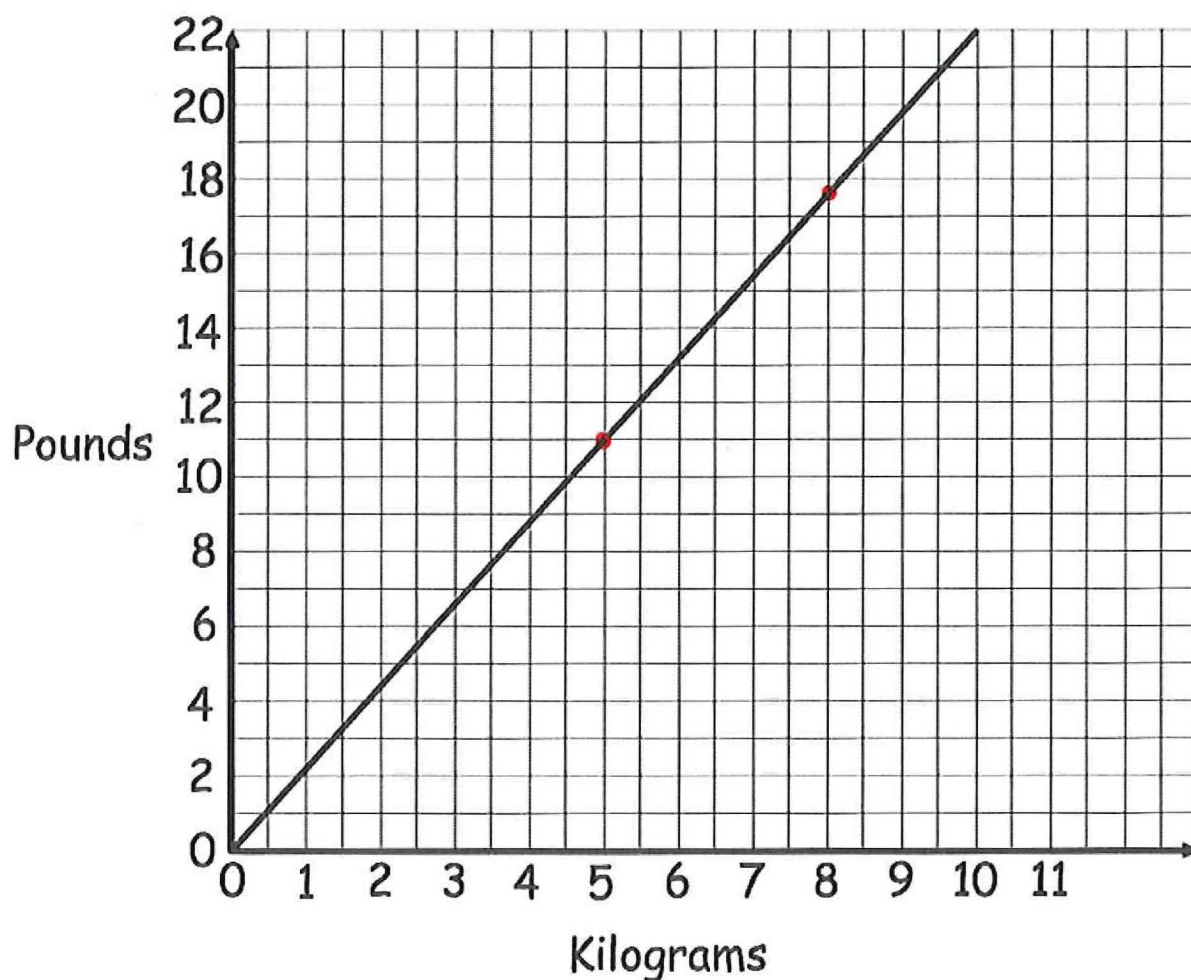
www.corbettmaths.com/contents

Video 151

Video 152



1. Shown below is a conversion to change between kilograms and pounds.



- (a) Using the graph, convert 5 kilograms to pounds.

.....11.....pounds
(1)

- (b) Using the graph, convert 8 pounds to kilograms.

.....17.....kilograms
(1)

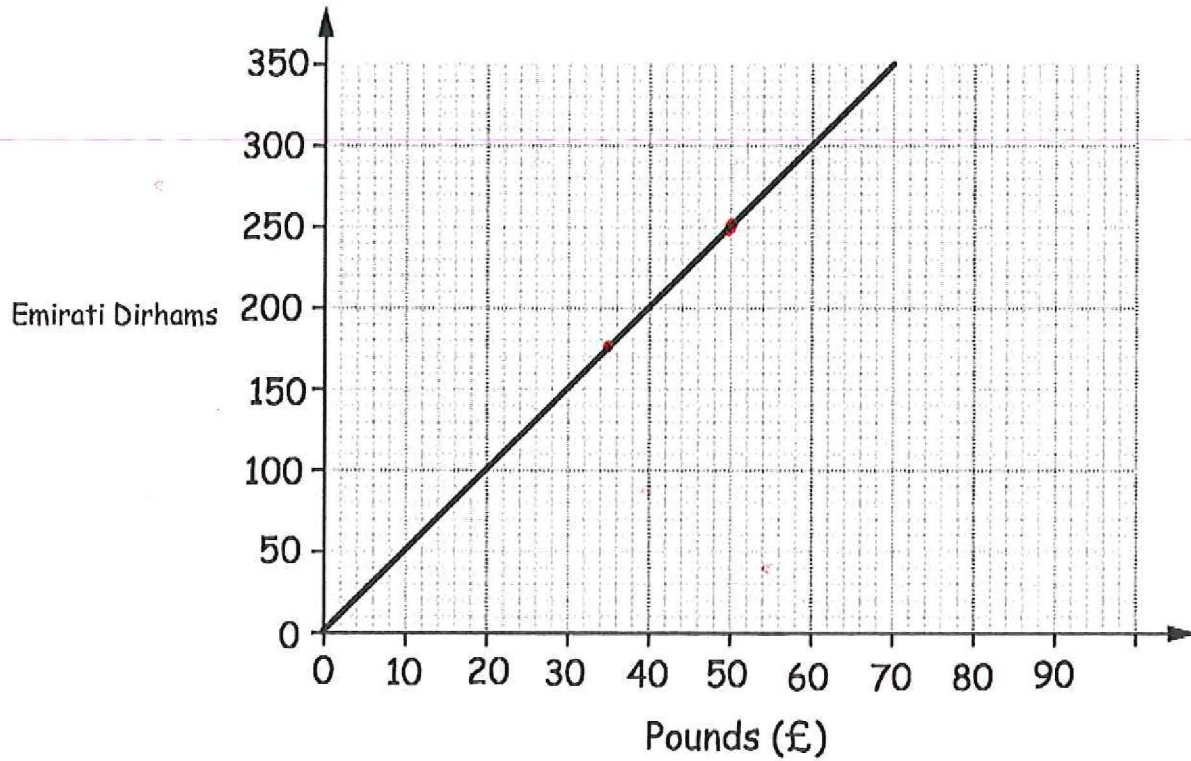
A piano weighs 150 kilograms.

- (c) Change 150 kilograms to pounds.

$$10 \text{ kg} = 22 \text{ pounds}$$
$$22 \times 15$$

.....330.....pounds
(2)

2.



(a) Convert £50 into Dirhams.

.....²⁵⁰.....Dirhams
(1)

(b) Convert 175 Dirhams into Pounds (£).

£.....³⁵.....
(1)

Tom wants to buy a camera.

In London the camera costs £380. = ¹⁹⁰⁰

In Abu Dhabi the camera costs 2000 Dirhams. = £⁴⁰⁰

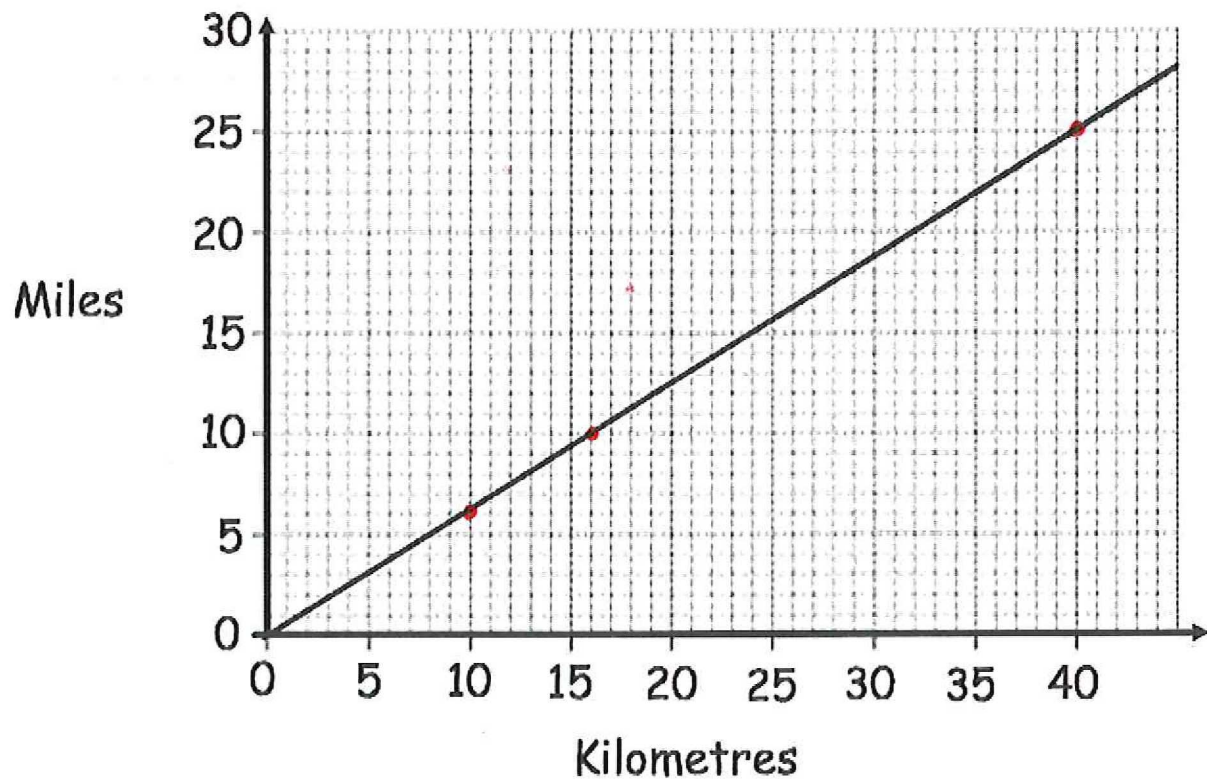
In which city is the camera cheaper and by how much?

Give your answer in pounds.

^{£1 = 5dhs}

City: ^{London} £.....²⁰.....
(1)

3. A conversion graph for kilometres and miles is shown.



- (a) Use the graph to convert 40 kilometres to miles.

.....²⁵ miles
(1)

- (b) Use the graph to convert 10 miles to kilometres.

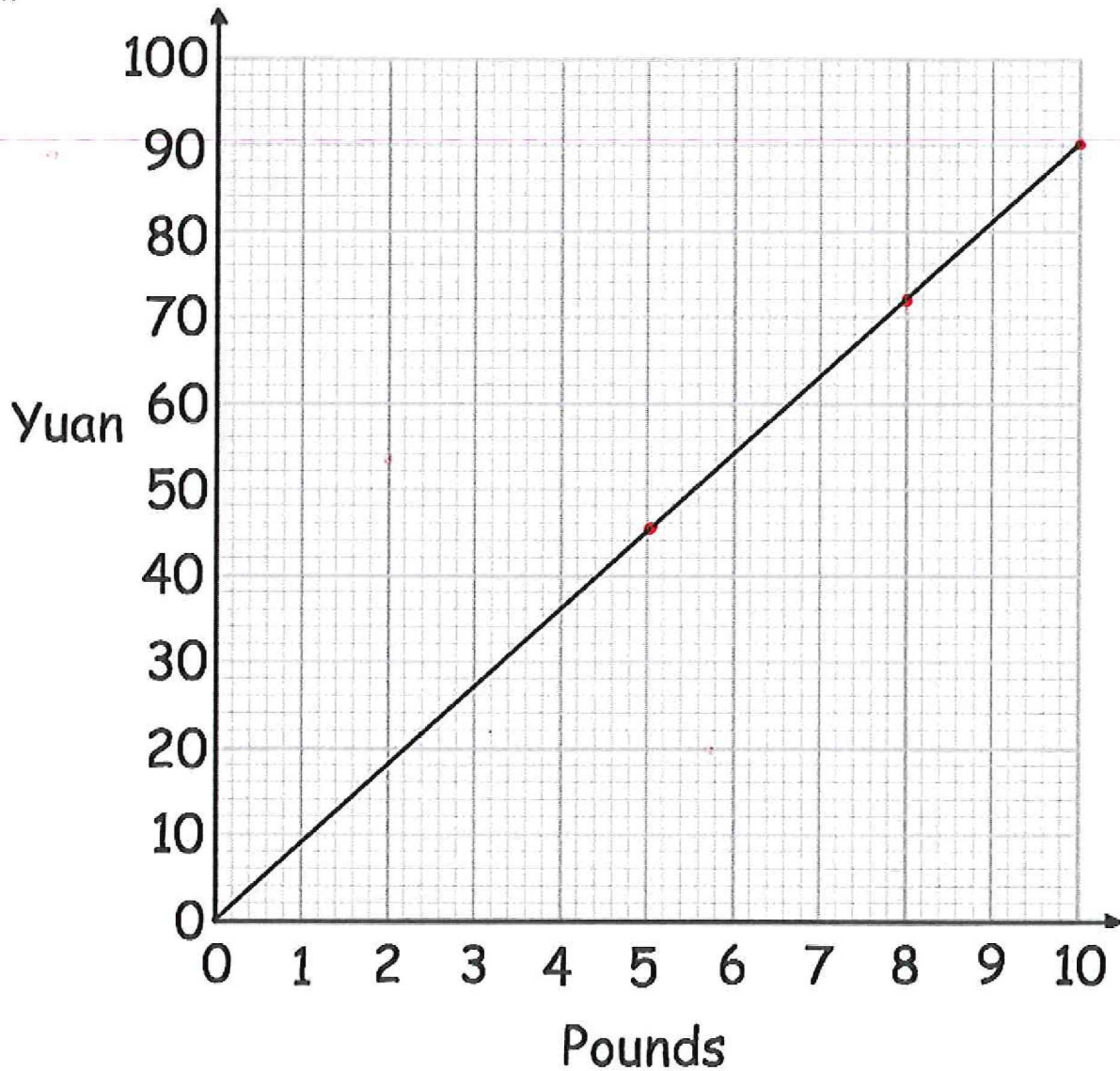
.....¹⁶ kilometres
(1)

- (c) Convert 200 kilometres to miles.

$10 \text{ km} = 6 \text{ miles}$
 $200 \text{ km} = 120 \text{ miles}$

.....¹²⁰ miles
(2)

4.



(a) Use the graph to convert £8 into Yuan.

.....**72**.....Yuan
(1)

(b) Use the graph to convert 45 Yuan into Pounds (£).

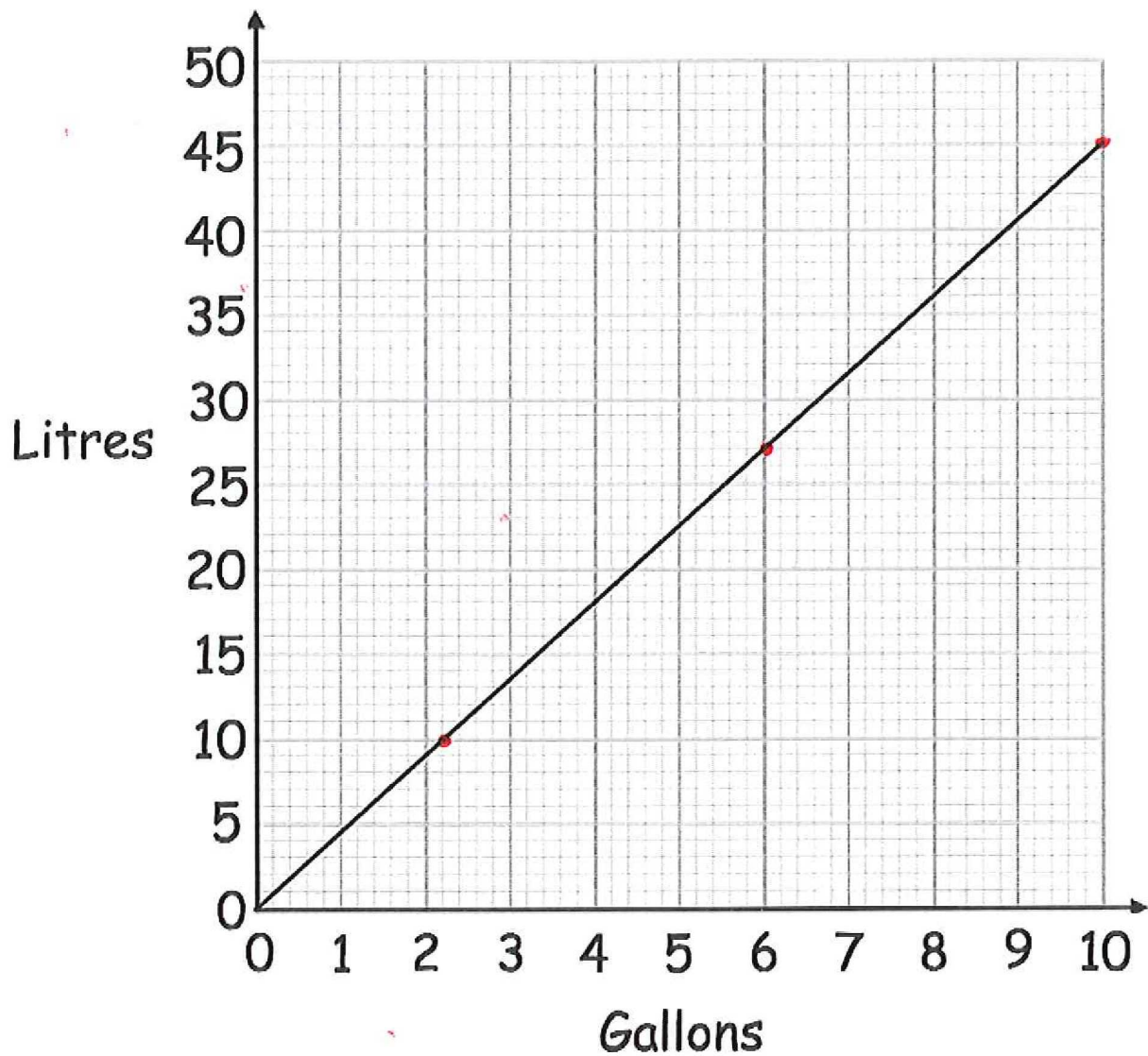
£.....**5**.....
(1)

(c) Convert 900 Yuan into Pounds (£).

900 Y = £100

£.....**100**.....
(2)

5.



(a) Use the graph to convert 6 gallons to litres.

.....**27**.....litres
(1)

(b) Use the graph to convert 10 litres to gallons.

.....**2.2**.....gallons
(1)

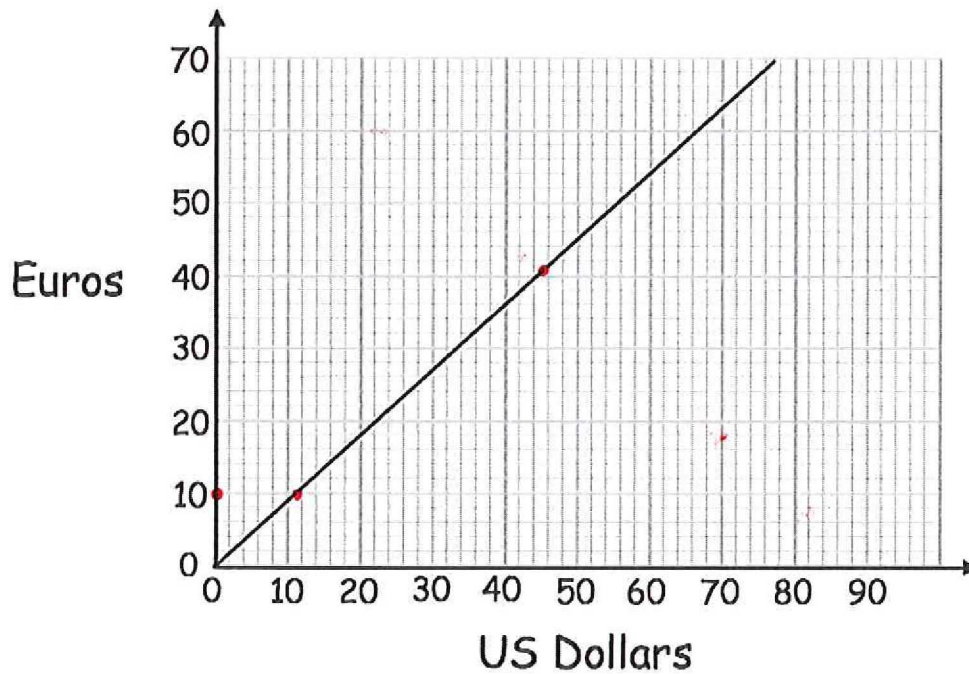
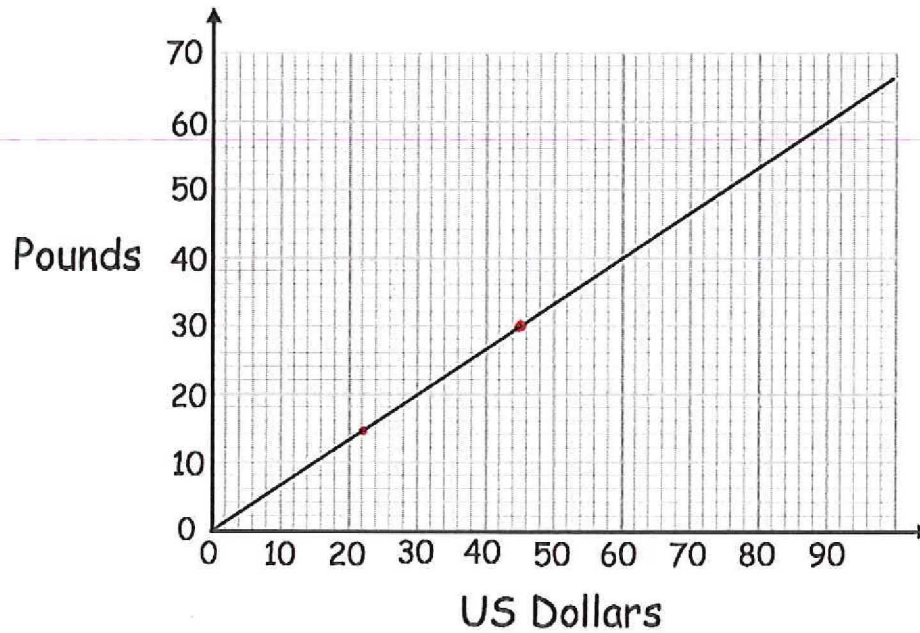
Alan's car drives 52 miles per gallon.

(c) Work out how far he can drive with 45 litres of fuel.

$$\begin{aligned} 45\text{L} &= 10 \text{ gallons} \\ 10 \times 52 & \end{aligned}$$

.....**520**.....miles
(1)

6.



(a) Change £30 into Euros.

$$£30 = 45 \$ =$$

.....41.....Euros
(2)

(b) Change 200 Euros into Pounds (£)

$$10€ = 11 \$$$

$$200€ = 220 \$$$

£.....140.....
(2)

$$22 \$ = £14$$

$$220 \$ = £140$$

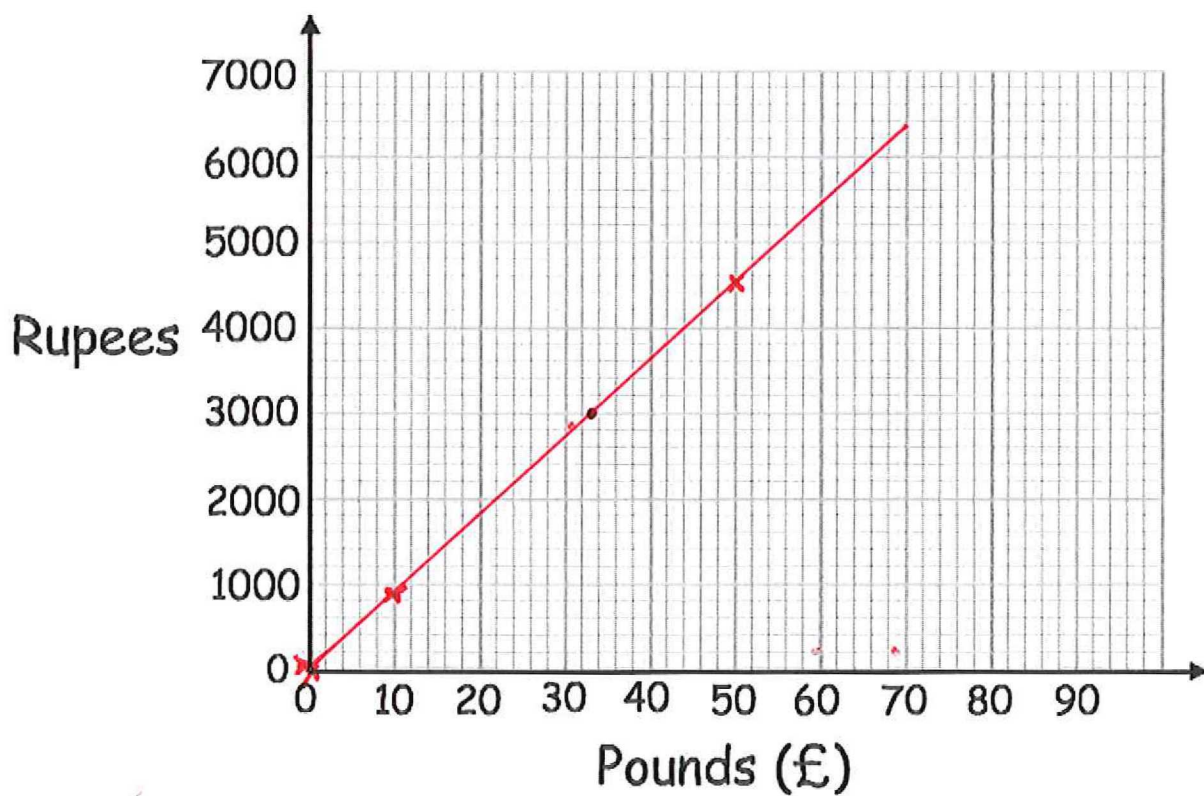
7. The exchange rate to change pounds into Indian rupees is £1 = 90 Rupees

(a) Complete the table below.

Pounds	0	1	10	50
Rupees	0	90	900	4500

(2)

(b) Draw a conversion graph for converting between pounds and rupees.



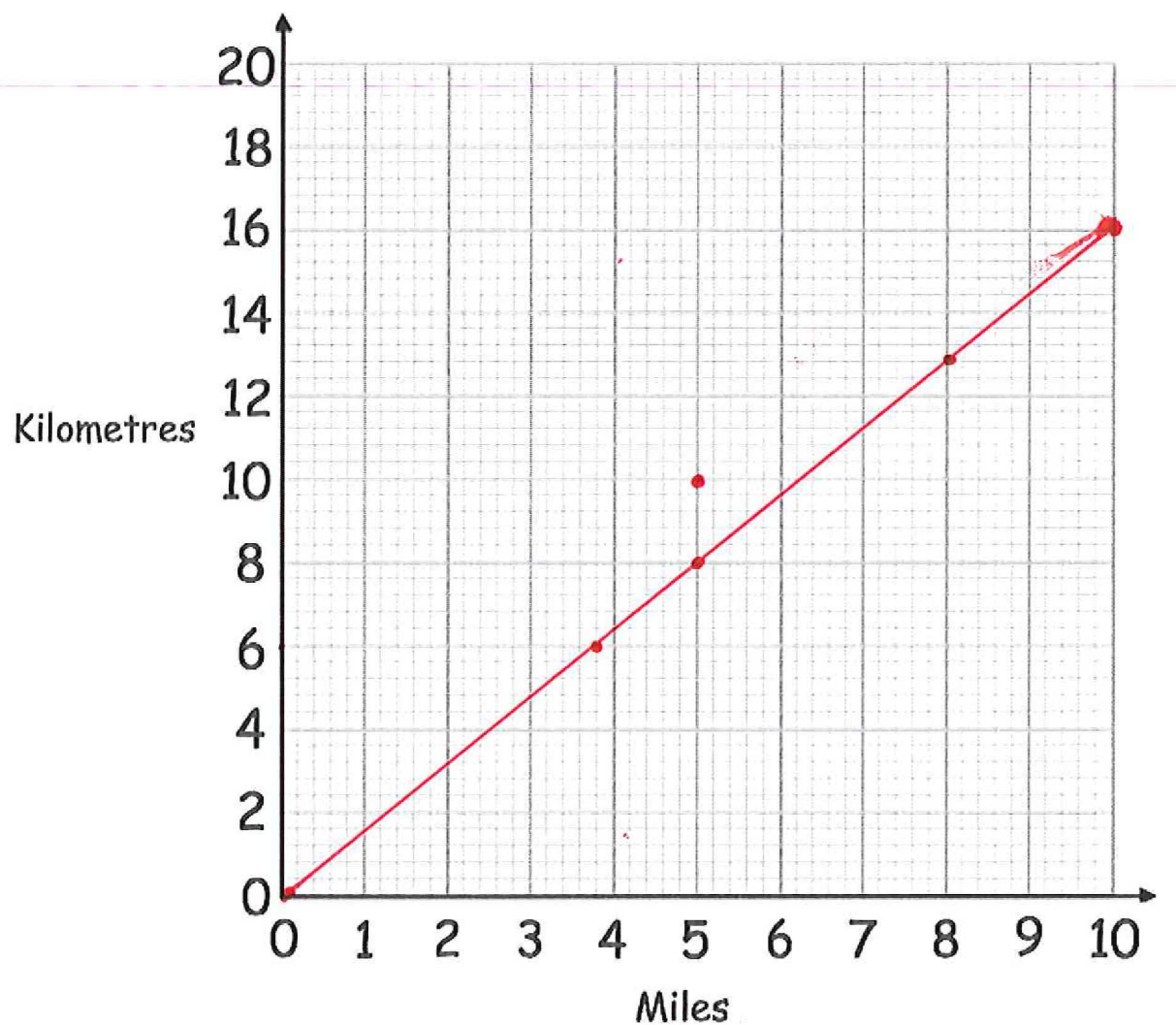
(2)

(c) Change 3000 Rupees into Pounds.

£...33.....

(2)

8. (a) Use the fact 5 miles = 8 kilometres to draw a conversion graph on the grid.



(2)

Use your graph to convert

(b) 8 miles to kilometres

.....12.8.....km
(1)

(c) 6 kilometres to miles

.....3.8.....miles
(1)

