



Maths-it Podcast F-13

Foundation GCSE Revision

Interpreting graphs

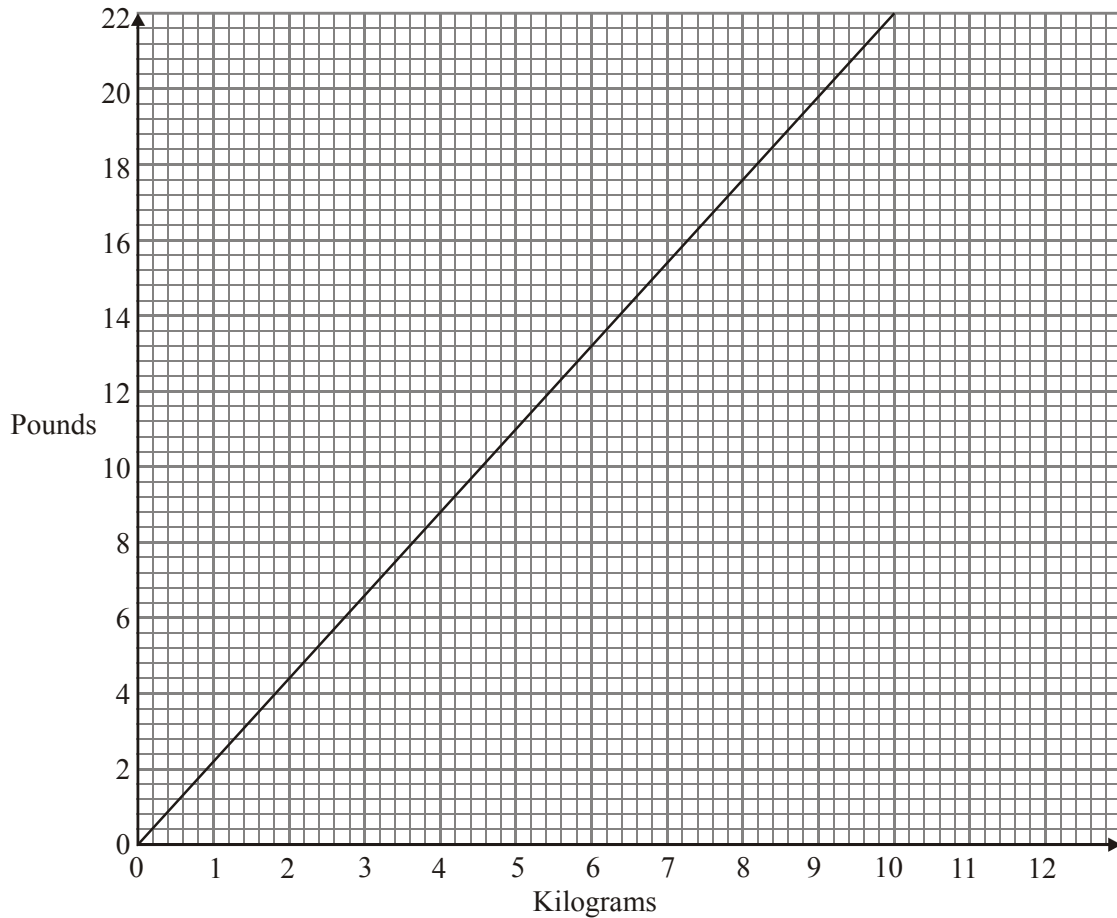
Topics

Real life graphs, plotting and interpreting – Distance time graphs – Conversion graphs

Questions



1.



The conversion graph above can be used for changing between kilograms and pounds.

(a) Use the graph to change 11 pounds to kilograms.

..... kg

(1)

(b) Use the graph to change 7.5 kilograms to pounds.

..... pounds

(1)

Gianluca weighs 160 pounds.

(c) Change 160 pounds to kilograms.

..... kg

(3)
(Total



Maths-it Podcast F-13

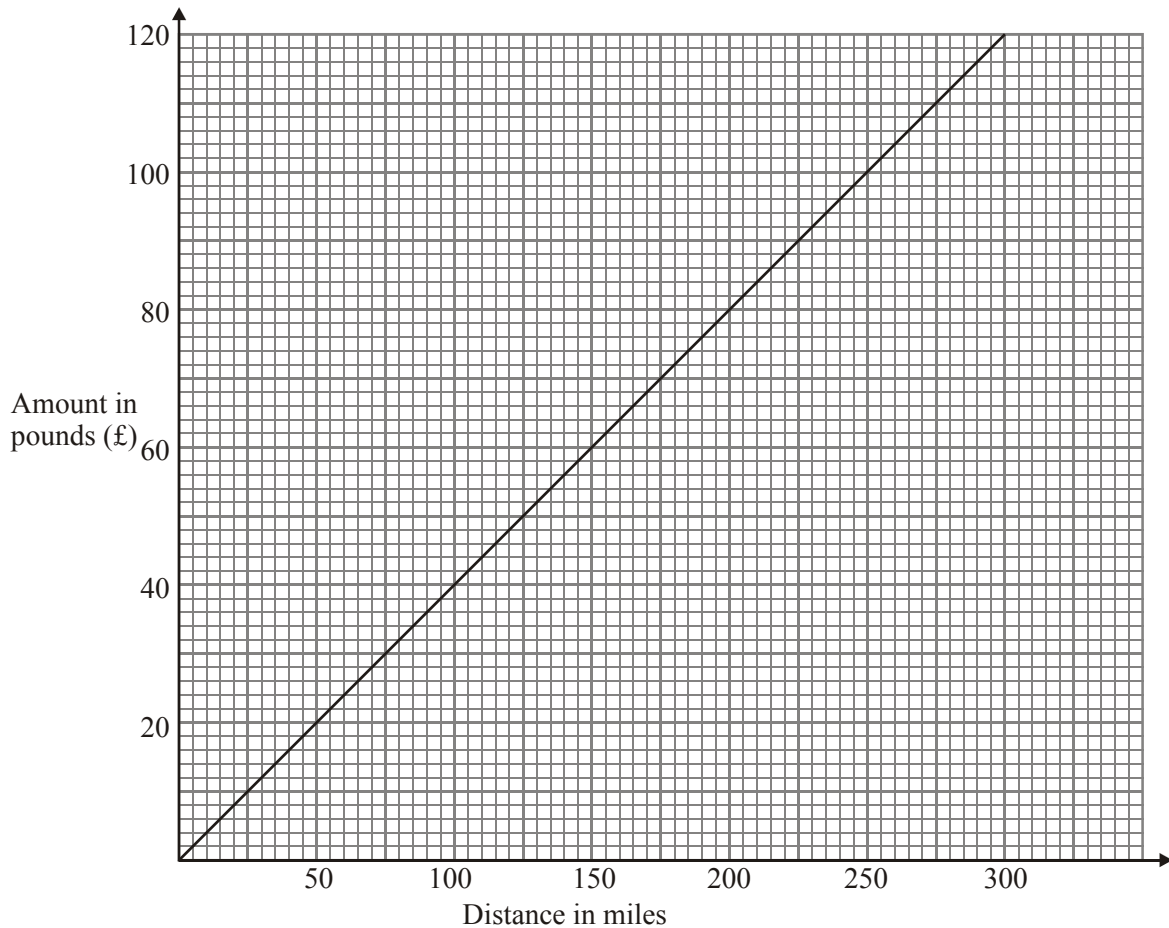
Foundation GCSE Revision

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2. Tomas travels by car to his meetings.

Tomas' company works out the amount it will pay him for the distance he travels.

It uses the graph below.



(c) Use the graph to write down

(i) the amount Tomas' company pays him when he travels 200 miles,

£.....

(ii) the distance Tomas travels when his company pays him £70.

.....miles

(2)
(Total 9 marks)

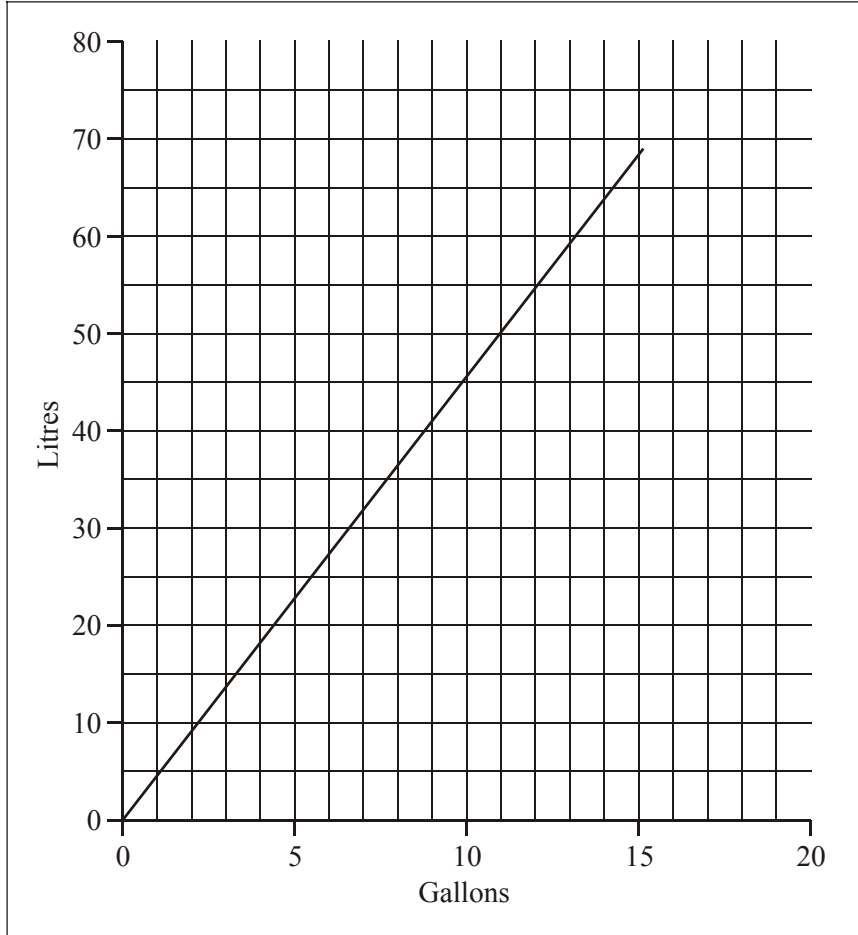


Maths-it Podcast F-13

Foundation GCSE Revision

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3.



The conversion graph above can be used for changing between gallons and litres.
Use the graph to change

(i) 11 gallons to litres,

..... litres

(ii) Use the graph to change 35 litres to gallons.

..... gallons

(Total 2 marks)

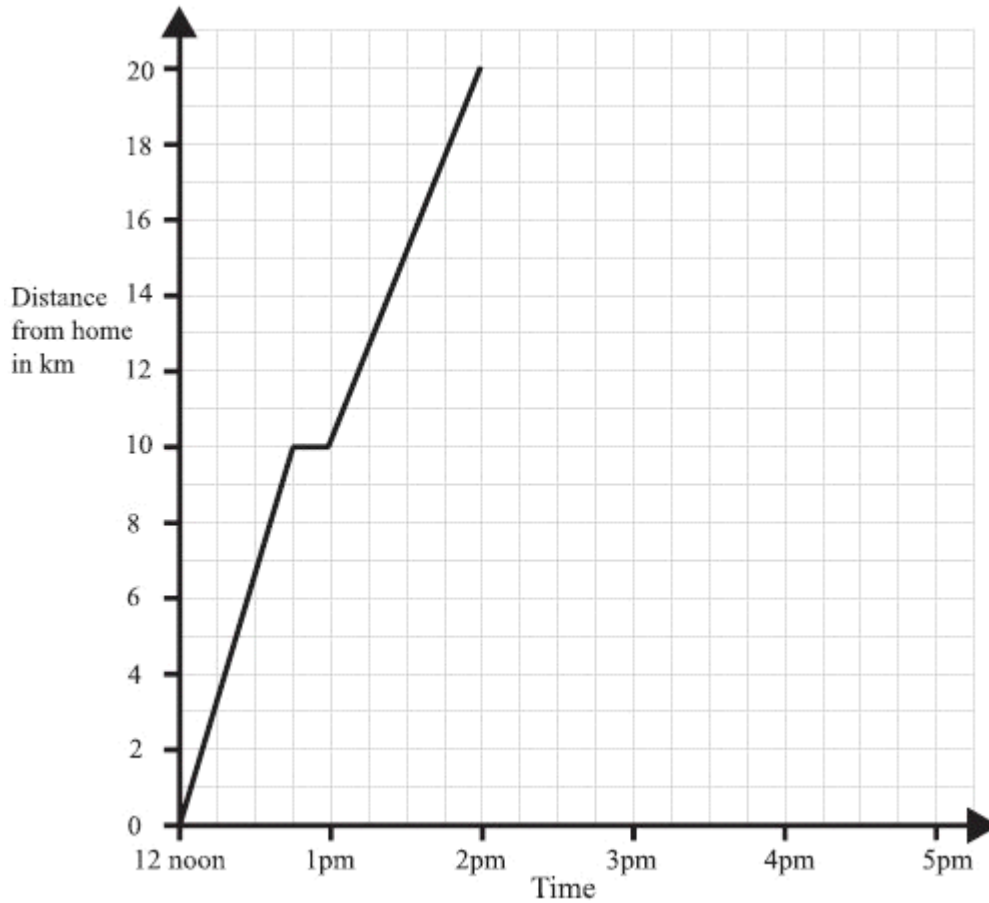


Maths-it Podcast F-13

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4. A man left home at 12 noon to go for a cycle ride.
The travel graph represents part of the man's journey.



At 12.45pm the man stopped for a rest.

- (a) For how many minutes did he rest?

.....minutes

(1)

- (b) Find his distance from home at 1.30pm.

.....km

(1)

The man stopped for another rest at 2pm.

He rested for one hour.

Then he cycled home at a steady speed. It took him 2 hours.

- (c) Complete the travel graph.

(2)

(Total 4 marks)