

GCSE Mathematics

F

Conversion Graphs

Foundation Tier | Grades 3-5

Total Marks	Time	Questions
40	40 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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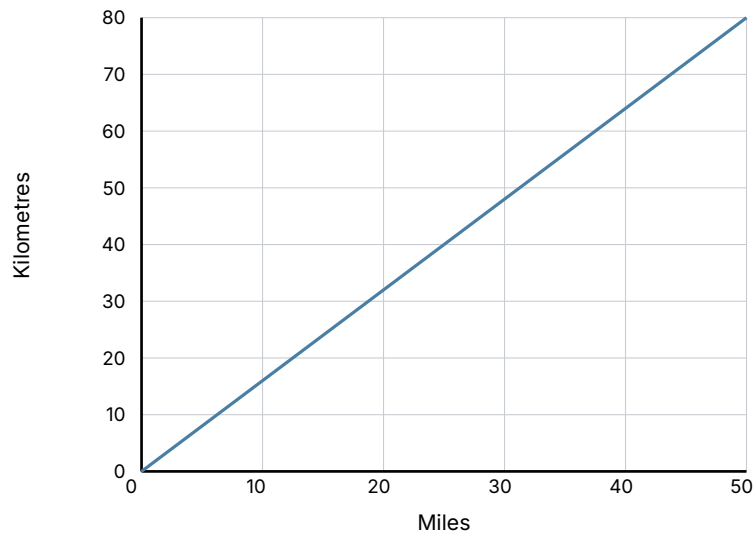
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Edexcel-style questions**Q1** 

Grade 3

Edexcel style

The graph shows the conversion between miles and kilometres. Use the graph to convert 30 miles to kilometres.



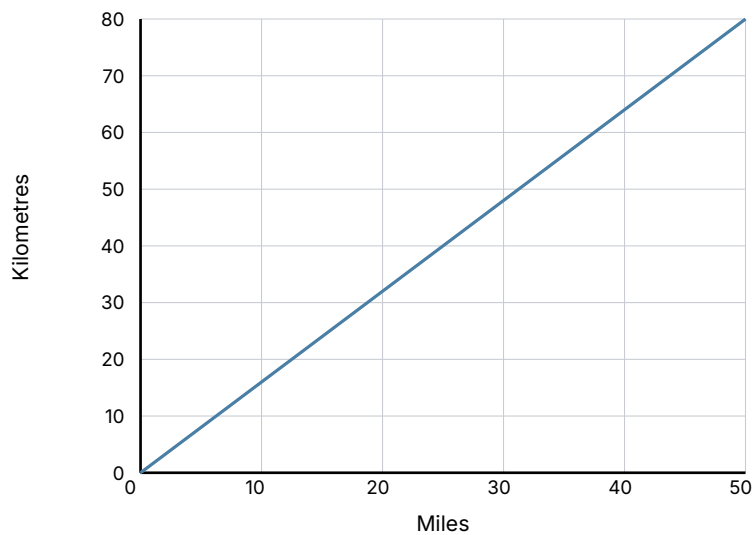
Answer _____

Q2

Grade 4

Edexcel style

The graph shows the conversion between miles and kilometres. Use the graph to convert 64 km to miles.



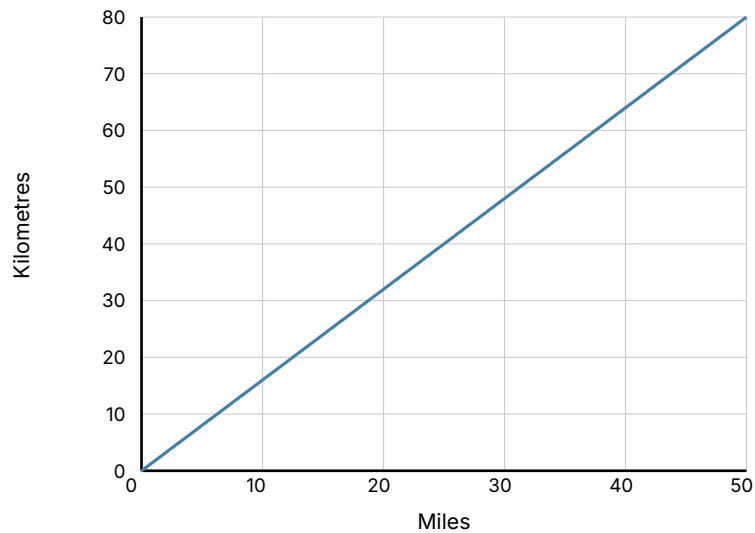
Answer _____

Q3

Grade 4

Edexcel style

The graph shows the conversion between miles and kilometres. Use the graph to find the number of kilometres equivalent to 1 mile.



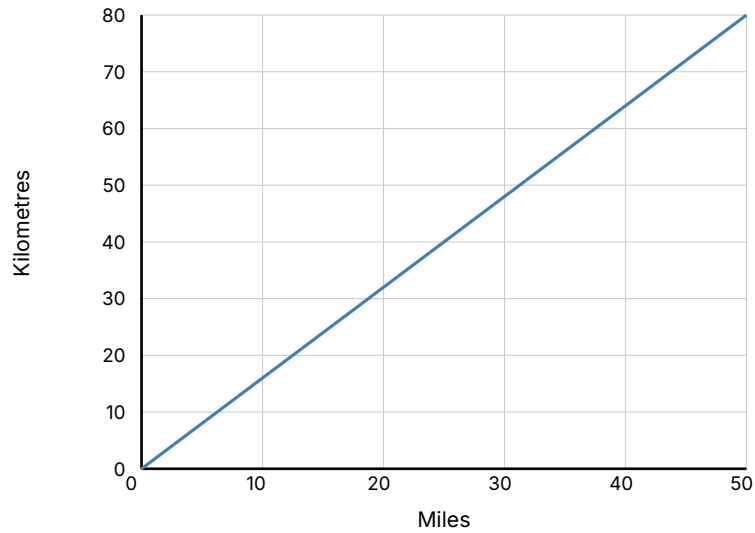
Answer _____

Q4

Grade 5

Edexcel style

The graph shows the conversion between miles and kilometres. A cyclist rides 20 miles in the morning and 15 miles in the afternoon. Use the graph to find the total distance in kilometres.



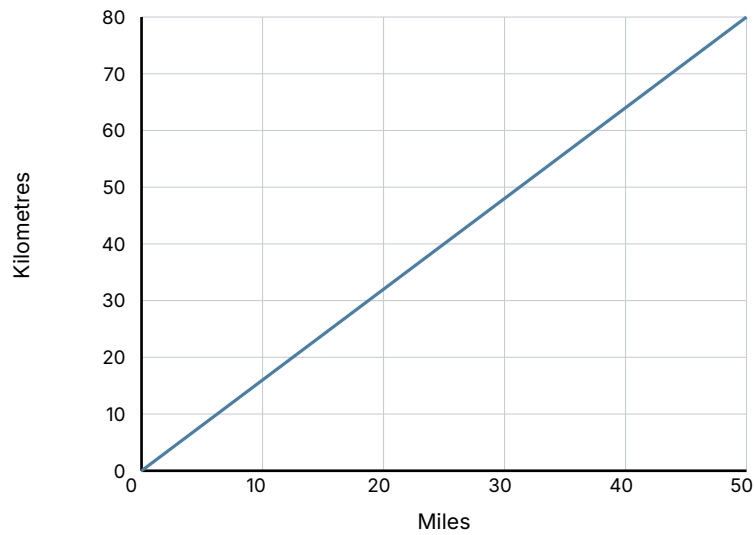
Answer _____

Q5

Grade 5

Edexcel style

The graph shows the conversion between miles and kilometres. A runner in the UK runs 25 miles. A runner in France runs 45 km. Use the graph to determine who ran further.



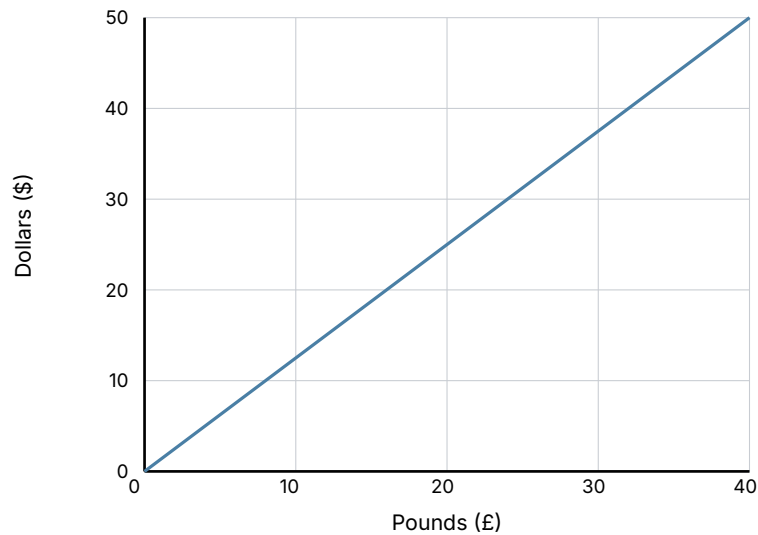
Answer _____

AQA-style questions**Q6** 

Grade 3

AQA style

The graph shows the conversion between pounds (£) and US dollars (\$). Use the graph to convert £24 to dollars.



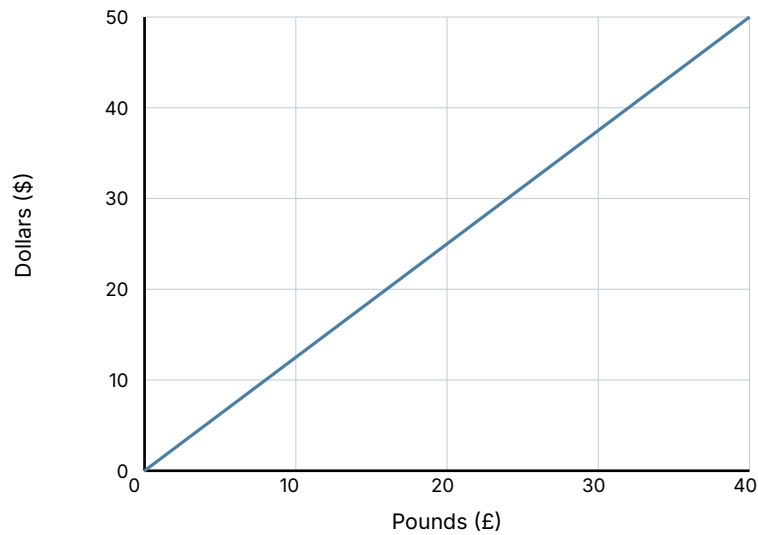
Answer _____

Q7

Grade 4

AQA style

The graph shows the conversion between pounds (£) and US dollars (\$). Use the graph to convert \$37.50 to pounds.



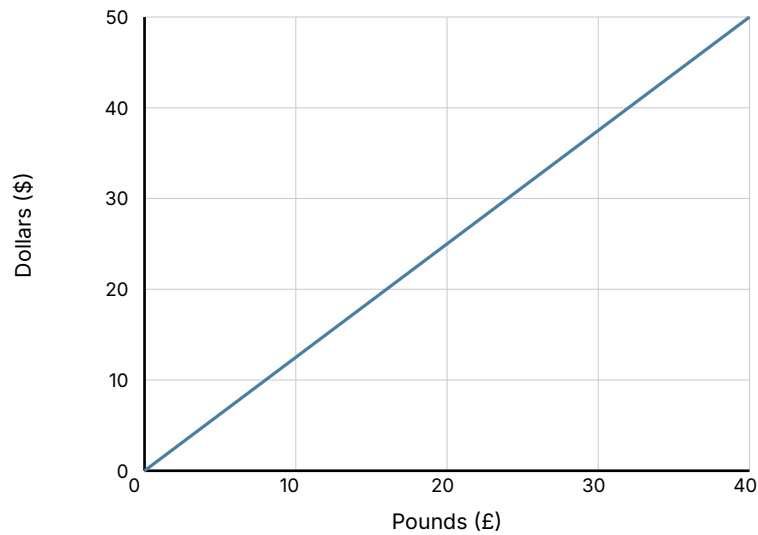
Answer _____

Q8

Grade 4

AQA style

The graph shows the conversion between pounds (£) and US dollars (\$). Use the graph to find the number of dollars equivalent to £1.



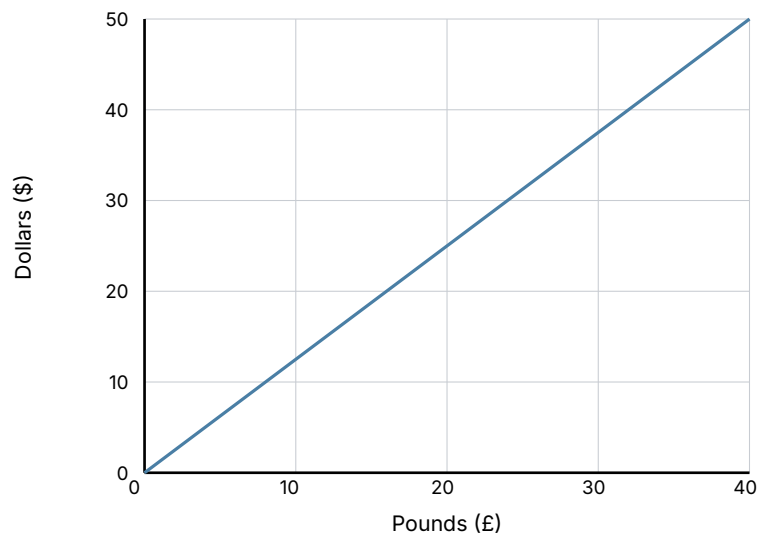
Answer _____

Q9

Grade 5

AQA style

The graph shows the conversion between pounds (£) and US dollars (\$). Maria has £16 and spends \$10 while abroad. Use the graph to find how much she has left, in pounds.



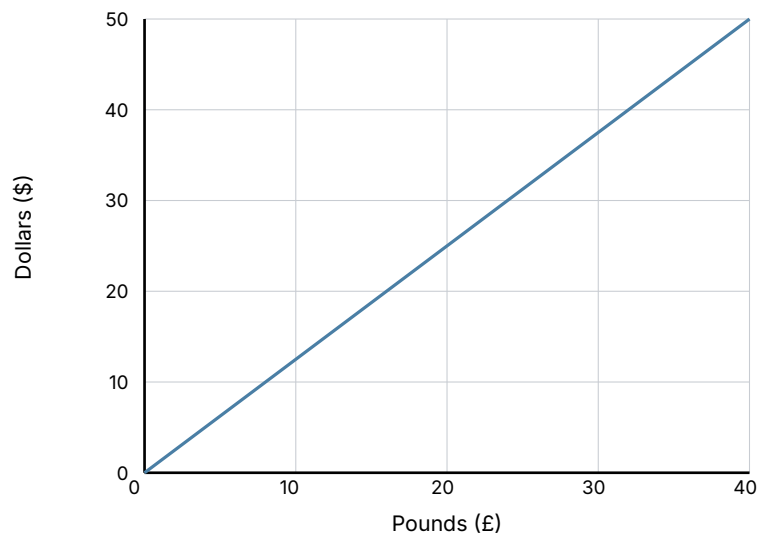
Answer _____

Q10

Grade 5

AQA style

The graph shows the conversion between pounds (£) and US dollars (\$). A jacket costs £32 in the UK. The same jacket costs \$45 in the USA. Use the graph to determine which is cheaper.



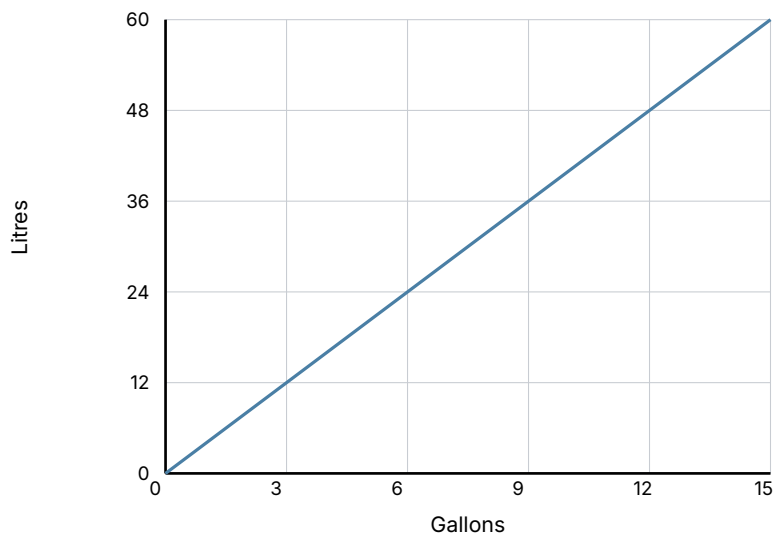
Answer _____

OCR-style questions**Q11** 

Grade 3

OCR style

The graph shows the conversion between gallons and litres. Use the graph to convert 9 gallons to litres.



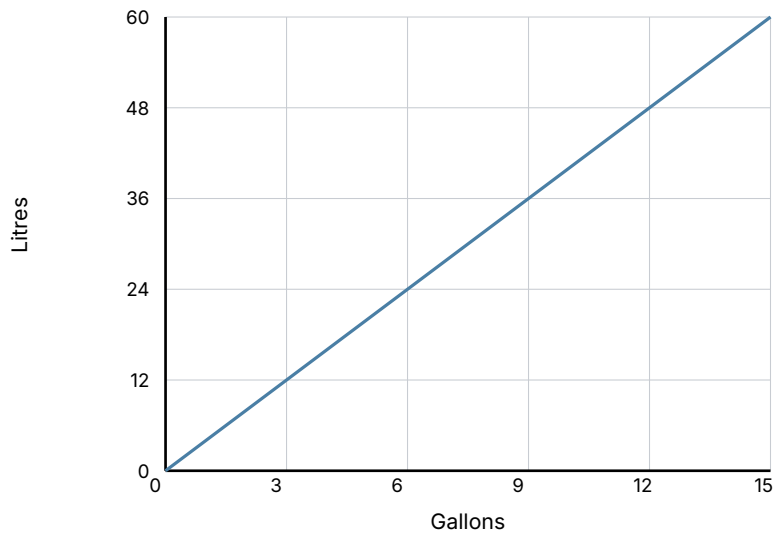
Answer _____

Q12

Grade 4

OCR style

The graph shows the conversion between gallons and litres. Use the graph to convert 48 litres to gallons.



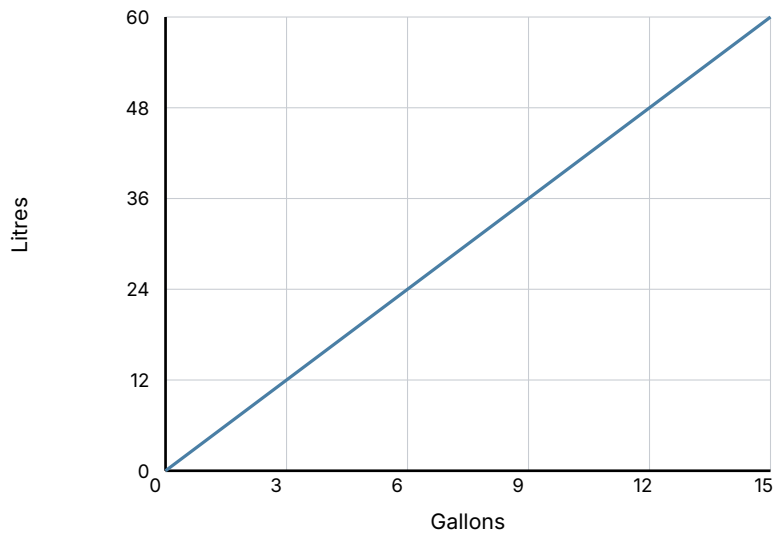
Answer _____

Q13

Grade 4

OCR style

The graph shows the conversion between gallons and litres. Use the graph to find the number of litres equivalent to 1 gallon.



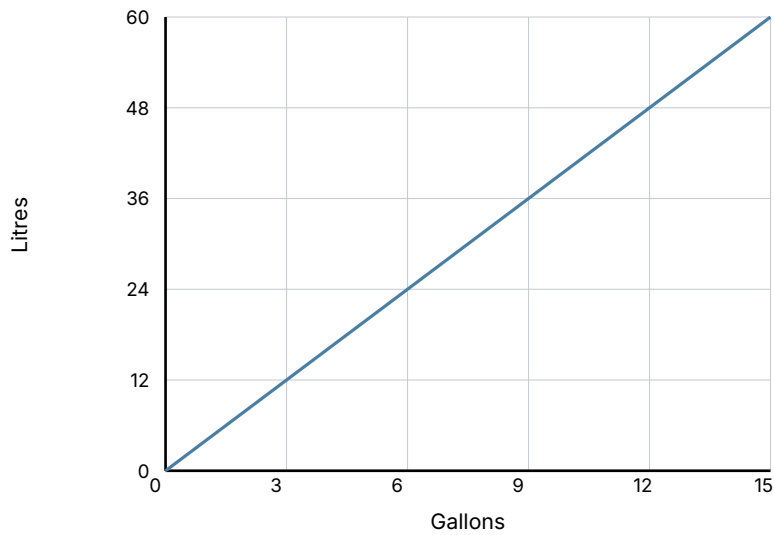
Answer _____

Q14

Grade 5

OCR style

The graph shows the conversion between gallons and litres. One tank holds 8 gallons of fuel. Another tank holds 24 litres. Use the graph to find the total amount of fuel in litres.



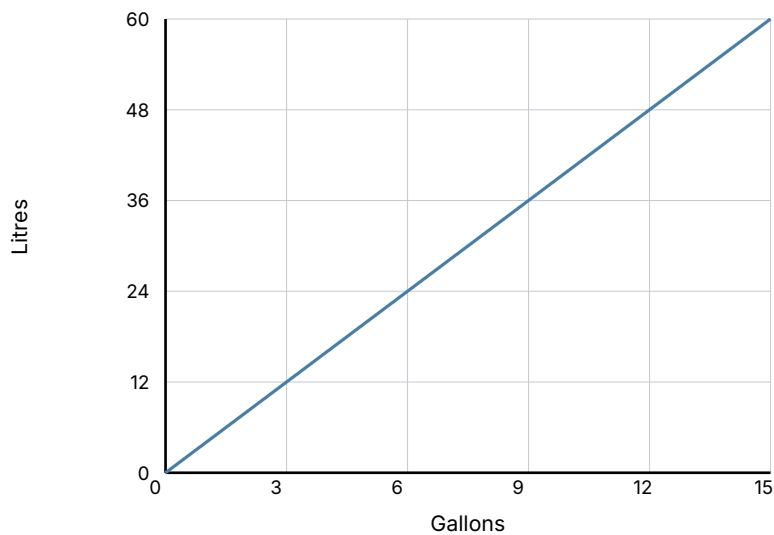
Answer _____

Q15

Grade 5

OCR style

The graph shows the conversion between gallons and litres. One car's fuel tank holds 12 gallons. Another car's fuel tank holds 44 litres. Use the graph to determine which tank holds more fuel.



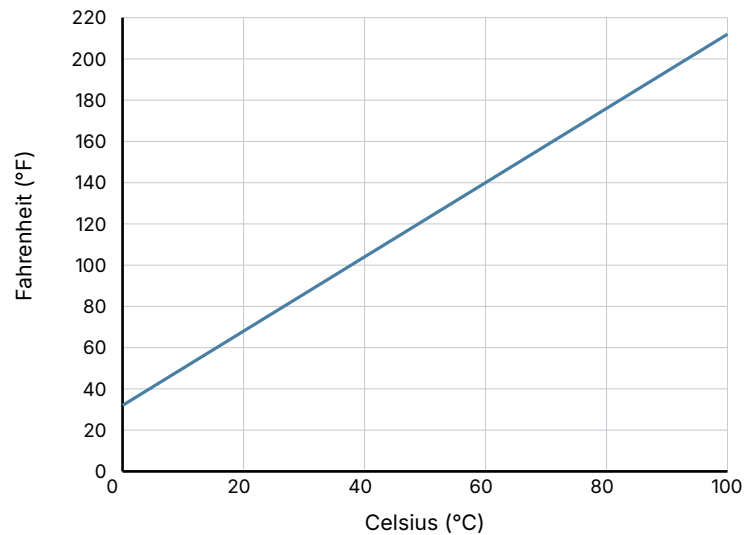
Answer _____

Teachably-style questions**Q16** 

Grade 3

Teachably style

The graph shows the conversion between degrees Celsius and degrees Fahrenheit. Use the graph to convert 50°C to Fahrenheit.



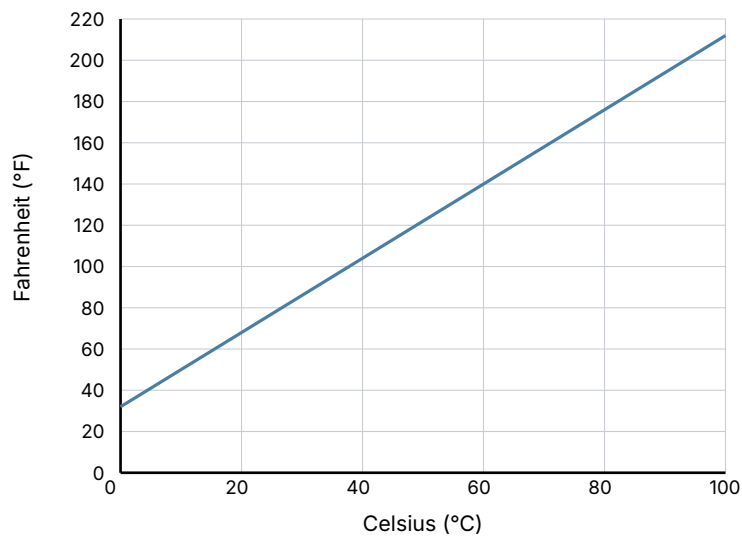
Answer _____

Q17

Grade 4

Teachably style

The graph shows the conversion between degrees Celsius and degrees Fahrenheit. Use the graph to convert 86°F to Celsius.



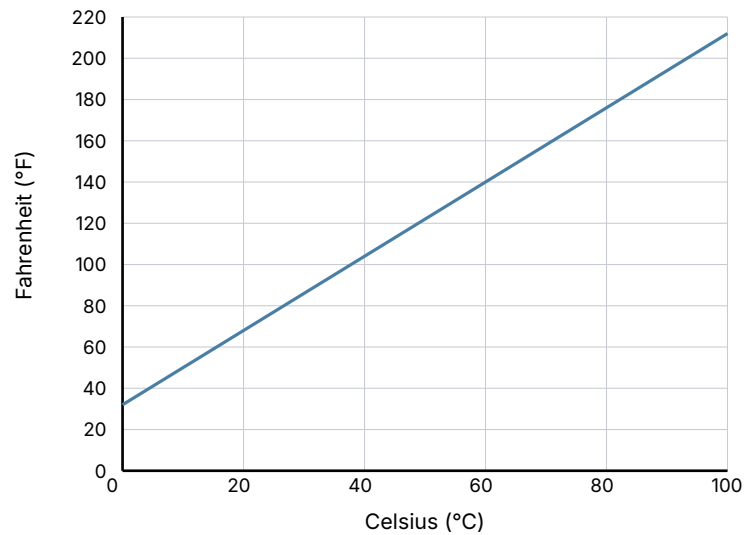
Answer _____

Q18

Grade 4

Teachably style

The graph shows the conversion between degrees Celsius and degrees Fahrenheit. Use the graph to find the increase in Fahrenheit for every 1°C increase.



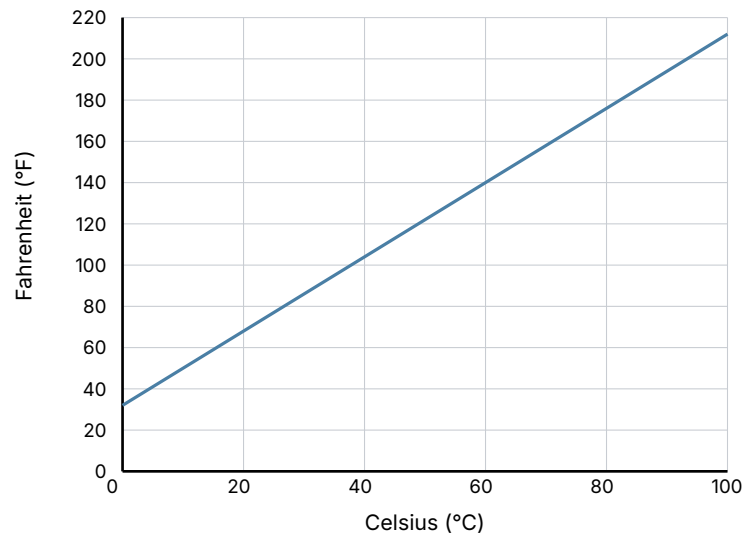
Answer _____

Q19

Grade 5

Teachably style

The graph shows the conversion between degrees Celsius and degrees Fahrenheit. The temperature rises from 10°C to 70°C. Use the graph to find the increase in temperature in Fahrenheit.



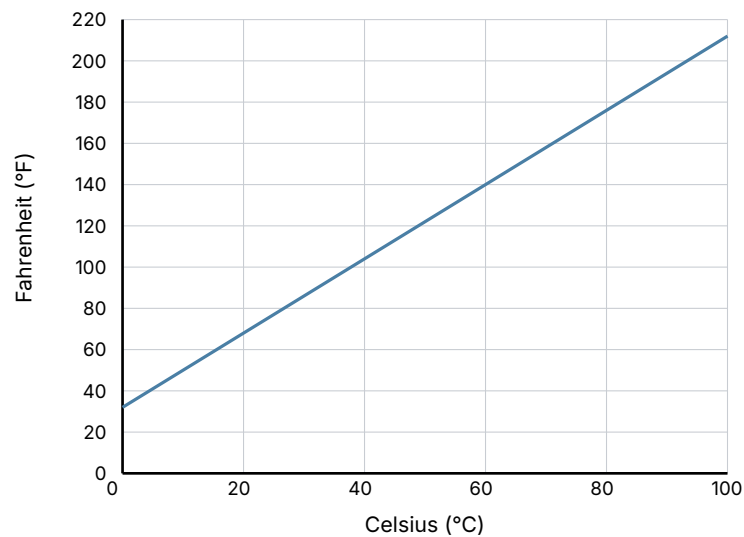
Answer _____

Q20

Grade 5

Teachably style

The graph shows the conversion between degrees Celsius and degrees Fahrenheit. The temperature in London is 30°C . The temperature in New York is 90°F . Use the graph to determine which city is warmer.



Answer _____

teachably

[3 marks]

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