



THIRD SPACE  
LEARNING

# GCSE Exam Questions

Metric Conversion | Ratio &  
Proportion

## GCSE Exam Questions: Metric Conversion

- 1) (a) Write  $4.37m$  in centimetres.

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(2)

- (b) Write  $20ml$  in litres.

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(2)  
(4 marks)

- 2) (a) A jug of juice is made from  $300ml$  of concentrate mixed with  $500ml$  of water.  
If  $7l$  of juice is needed, how much of each ingredient is needed?

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(3)

- (b) Write the ratio of water:juice in the form  $1:n$ .

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(2)  
(5 marks)

- 3) (a) Sally and Greta are sisters.  
Sally weighs  $48kg$  and Greta is  $1900g$  lighter.  
How much does Greta weigh?

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(2)

- (b) What is their combined weight?

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(2)  
(4 marks)

## GCSE Exam Questions: Metric Conversion

- 4) (a) Sharma runs 950m everyday.

Work out how far Sharma runs in a week.

Express your answer in kilometres.

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(2)

- (b) Work out how far Sharma runs in a year.

Express your answer in kilometres.

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(2)  
(4 marks)

## GCSE Exam Questions: Metric Conversion Answers

	Question	Answer	Marks
<b>1) (a)</b>	Write 4.37m in centimetres.	<b>(a)</b> $4.37 \times 100$ $437cm$	<b>(1)</b> <b>(1)</b>
<b>(b)</b>	Write 20ml in litres.	<b>(b)</b> $20 \div 1000$ $0.02l$	<b>(1)</b> <b>(1)</b>
<b>2) (a)</b>	A jug of juice is made from 300ml of concentrate mixed with 500ml of water. If 7l of juice is desired, how much of each ingredient is required?	<b>(a)</b> $7000 \div 800 = 8.75$ $300 \times 8.75 = 2625\text{ ml}$ of concentrate $500 \times 8.75 = 4375\text{ ml}$ of water	<b>(1)</b> <b>(1)</b> <b>(1)</b>
<b>(b)</b>	Write the ratio of water:juice in the form 1:n.	<b>(b)</b> 5:3 1:0.6	<b>(1)</b> <b>(1)</b>
<b>3) (a)</b>	Sally and Greta are sisters. Sally weighs 48kg and Greta is 1900g lighter. How much does Greta weigh?	<b>(a)</b> 48 000g or 1.9kg seen $48000 - 1900 =$ 46100g or 46.1kg seen	<b>(1)</b> <b>(1)</b>
<b>(b)</b>	What is their combined weight?	<b>(b)</b> $48 + 46.1$ $94.1kg$	<b>(1)</b> <b>(1)</b>
<b>4) (a)</b>	Sharma runs 950m everyday. Work out how far Sharma runs in a week. Express your answer in kilometres.	<b>(a)</b> $950 \times 7 = 6650m$ $6650 \div 1000 = 6.65km$	<b>(1)</b> <b>(1)</b>
<b>(b)</b>	Work out how far Sharma runs in a year. Express your answer in kilometres.	<b>(b)</b> $6.65 \times 52$ $345.8\text{ km}$	<b>(1)</b> <b>(1)</b>

# Where to go next?

For more diagnostic questions, and GCSE maths revision resources and worksheets to support students in fixing any misconceptions take a look at the free Third Space Learning [GCSE maths revision](#) pages.

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