



THIRD SPACE  
LEARNING

# GCSE Exam Questions

Negative Numbers | Number

## GCSE Exam Questions: Negative Numbers

1) Calculate the following:

(a)  $-7 + (-9) =$

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(1)

(b)  $-28 \div 7 + 9 =$

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(1)  
(2 marks)

2) The table below shows the temperature in various cities across Europe in the Winter.

City	Temperature
Madrid	5°C
Hungary	-12°C
London	-6°C
Dublin	-10°C
Paris	1°C
Hamburg	2°C

(a) Write down the highest temperature.

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(1)

(b) What is the difference between the highest and lowest temperatures?

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(2)  
(3 marks)

## GCSE Exam Questions: Negative Numbers

- 3) Mr. and Mrs. Honey had £64 in their bank account. They spent £30 on their gas bill, £18 on their phone bill and £50 on their utilities bill. How much were the Honeys in debt?

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(2 marks)

- 4) (a) At 6am the temperature in Norwich was  $-9^{\circ}\text{C}$ . At 10am the temperature rose to  $5^{\circ}\text{C}$ . What is the difference between the temperature at 6am and 10am?

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(2)

- (b) From 10am to 10pm the temperature fell by  $12^{\circ}\text{C}$ . Work out the temperature at 10pm.

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(2)  
(4 marks)

## GCSE Exam Questions: Negative Numbers Answers

	Question	Answer	Marks														
1) (a)	Calculate the following: $-7 + (-9) =$	$-7 + (-9) = -16$	(1)														
(b)	$-28 \div 7 + 9 =$	$-28 \div 7 + 9 = 5$	(1)														
2) (a)	The table on the right shows the temperature in various cities across Europe in the Winter. Write down the highest temperature. <table><tr><th>City</th><th>Temperature</th></tr><tr><td>Madrid</td><td>5°C</td></tr><tr><td>Hungary</td><td>-12°C</td></tr><tr><td>London</td><td>-6°C</td></tr><tr><td>Dublin</td><td>-10°C</td></tr><tr><td>Paris</td><td>1°C</td></tr><tr><td>Hamburg</td><td>2°C</td></tr></table>	City	Temperature	Madrid	5°C	Hungary	-12°C	London	-6°C	Dublin	-10°C	Paris	1°C	Hamburg	2°C	5°C	(1)
City	Temperature																
Madrid	5°C																
Hungary	-12°C																
London	-6°C																
Dublin	-10°C																
Paris	1°C																
Hamburg	2°C																
(b)	What is the difference between the highest and lowest temperatures?	$5 - (-12)$ $= 17^{\circ}\text{C}$	(1) (1)														
3)	Mr. and Mrs. Honey had £64 in their bank account. They spent £30 on their gas bill, £18 on their phone bill and £50 on their utilities bill. How much were the Honeys in debt?	$64 - 30 - 18 - 50$ $= -£34$	(1) (1)														
4) (a)	At 6am the temperature in Norwich was $-9^{\circ}\text{C}$ . At 10am the temperature rose to $5^{\circ}\text{C}$ . What is the difference between the temperature at 6am and 10am?	$-9 - 5$ $= -14$ Difference is $14^{\circ}\text{C}$	(1) (1)														
(b)	From 10am to 10pm the temperature fell by $12^{\circ}\text{C}$ . Work out the temperature at 10pm.	$5 - 12$ $= -7^{\circ}\text{C}$	(1) (1)														

# 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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