



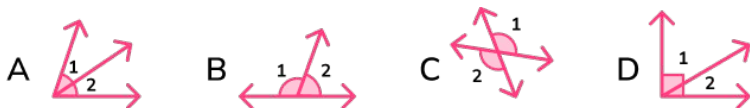
THIRD SPACE  
LEARNING

# GCSE Exam Questions

Complementary and  
Supplementary Angles |  
Geometry & Measure

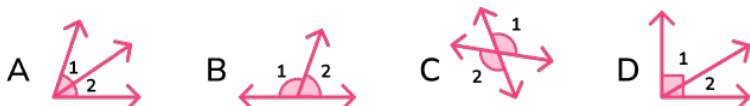
## GCSE Exam Questions: Complementary and Supplementary Angles

1) (a) Circle the set of complementary angles.



(1)

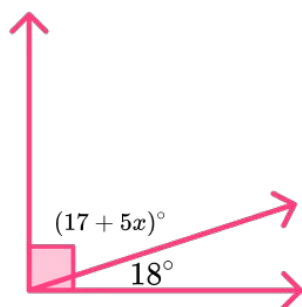
(b) Circle the set of supplementary angles.



(1)

(2 marks)

2) (a) Find the value of  $x$ .



(3)

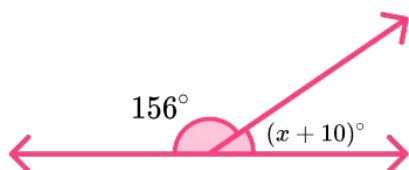
(b) Give a reason for your answer.

(1)

(4 marks)

**GCSE Exam Questions: Complementary and Supplementary Angles**

- 3) (a) Find the value of  $x$ .


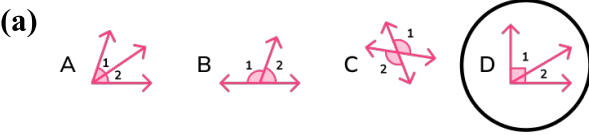
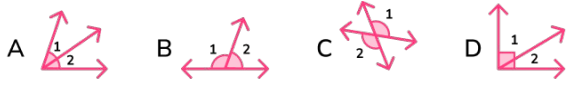
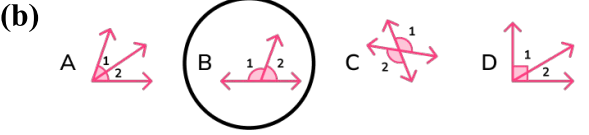
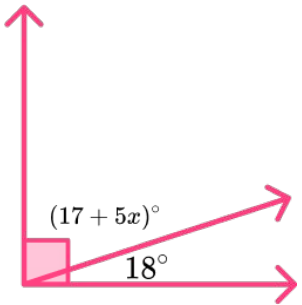
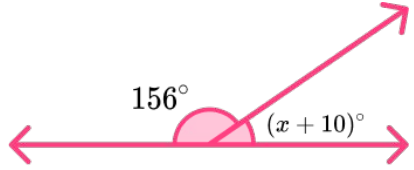


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(2)

- (b) Give a reason for your answer.

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(1)  
(3 marks)

## GCSE Exam Questions: Complementary and Supplementary Angles Answers

	Question	Answer	Marks
<b>1) (a)</b>	Circle the set of complementary angles. 	<b>(a)</b> 	<b>(1)</b>
<b>(b)</b>	Circle the set of supplementary angles. 	<b>(b)</b> 	<b>(1)</b>
<b>2) (a)</b>	Find the value of $x$ . 	<b>(a)</b> $5x + 17 + 18 = 90$ <b>or</b> $5x + 35 = 90$ $5x = 55$ $x = 11^\circ$	<b>(1)</b> <b>(1)</b> <b>(1)</b>
<b>(b)</b>	Give a reason for your answer.	<b>(b)</b> Angles making a right angle are complementary angles / add to $90^\circ$	<b>(1)</b>
<b>3) (a)</b>	Find the value of $x$ . 	<b>(a)</b> $x + 10 + 156 = 180$ <b>or</b> $x + 166 = 180$ $x = 14^\circ$	<b>(1)</b> <b>(1)</b>
<b>(b)</b>	Give a reason for your answer.	<b>(b)</b> Angles on a straight line are supplementary angles / add to $180^\circ$	<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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