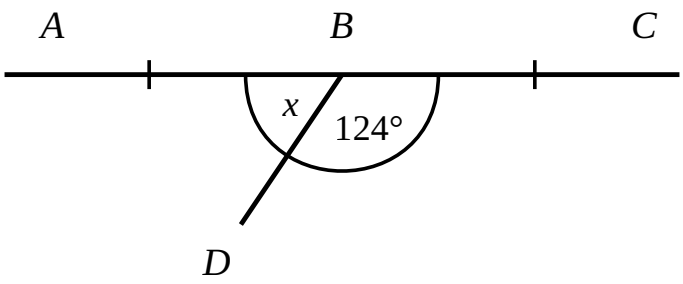
ANGLES ON A STRAIGHT LINE

Best Guess Mastery Worksheet (Target Grade 4/5)

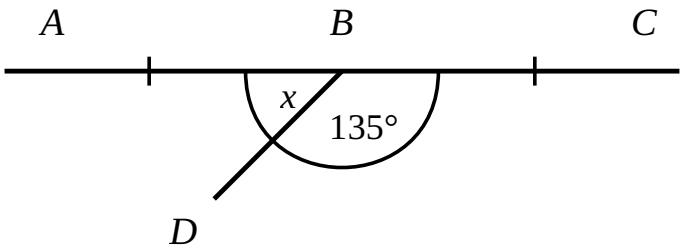
I Do

ABC is a straight line. Angle *DBC* = 124°. Work out the size of angle *x*. Give a reason for your answer.



We Do

ABC is a straight line. Angle *DBC* = 135°. Work out the size of angle *x*. Give a reason for your answer.



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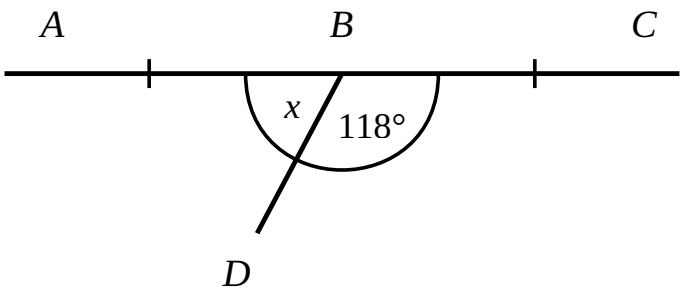
Best Guess Mastery Worksheet (Target Grade 4/5)

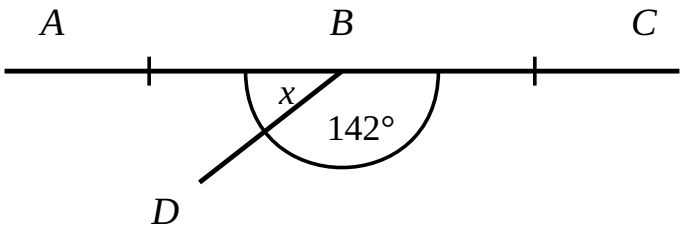
You Do 1

ABC is a straight line. Angle *DBC* = 118°. Work out the size of angle *x*. Give a reason for your answer.



You Do 2

ABC is a straight line. Angle *DBC* = 142°. Work out the size of angle *x*. Give a reason for your answer.

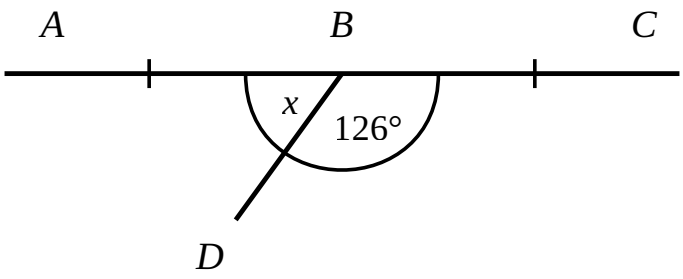


ANGLES ON A STRAIGHT LINE

Best Guess Mastery Worksheet (Target Grade 4/5)

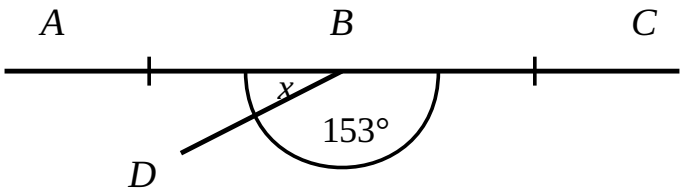
Challenge 1

ABC is a straight line. Angle *DBC* = 126°. Work out the size of angle *x*. Give a reason for your answer.



Challenge 2

ABC is a straight line. Angle *DBC* = 153°. Work out the size of angle *x*. Give a reason for your answer.

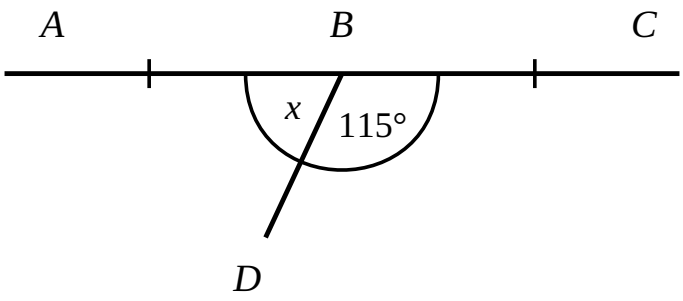


ANGLES ON A STRAIGHT LINE

Best Guess Mastery Worksheet (Target Grade 4/5)

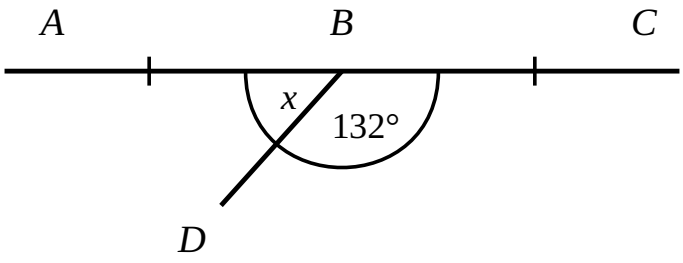
Practice Perfect (1)

ABC is a straight line. Angle *DBC* = 115°. Work out the size of angle *x*. Give a reason for your answer.



Practice Perfect (2)

ABC is a straight line. Angle *DBC* = 132°. Work out the size of angle *x*. Give a reason for your answer.



Answers & Worked Solutions

I Do:

$x = 180° - 124° =$ **56°**

Reason: Angles on a straight line add up to 180°.

We Do:

$x = 180° - 135° =$ **45°**

Reason: Angles on a straight line add up to 180°.

You Do 1:

$x = 180° - 118° =$ **62°**

Reason: Angles on a straight line add up to 180°.

You Do 2:

$x = 180° - 142° =$ **38°**

Reason: Angles on a straight line add up to 180°.

Challenge 1:

$x = 180° - 126° =$ **54°**

Reason: Angles on a straight line add up to 180°.

Challenge 2:

$x = 180° - 153° =$ **27°**

Reason: Angles on a straight line add up to 180°.

Practice Perfect (1):

$x = 180° - 115° =$ **65°**

Reason: Angles on a straight line add up to 180°.

Practice Perfect (2):

$x = 180° - 132° =$ **48°**

Reason: Angles on a straight line add up to 180°.