

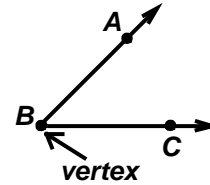
Geometric Figures: Skill 5 - 20B

Measuring Angles

Definitions

Angle – An angle is formed by two rays with the same endpoint.

The angle that you see to the right is called $\angle ABC$.



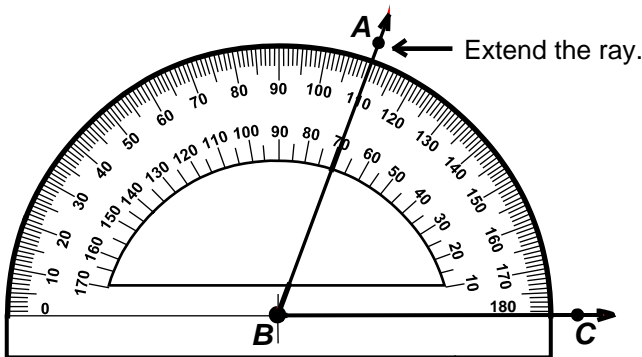
Vertex – The endpoint of an angle.

Protractor – A tool used to measure or draw angles. A protractor measures angles in degrees. Write degrees like this, 75° .

How to use a Protractor

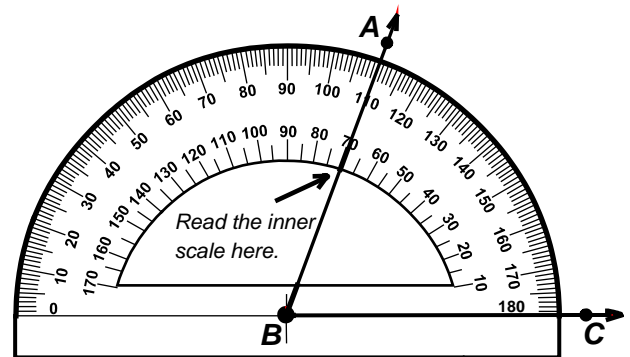
Step 1

Line up the vertex of the angle with the hole of the protractor. Line up one ray of the angle with the line on the protractor that extends from 0° to 180° .



Step 2

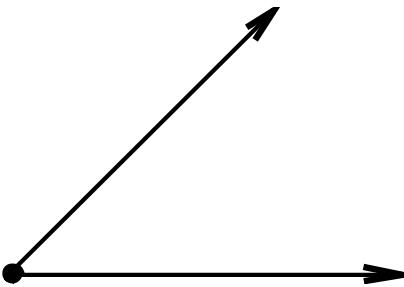
Read the measure of the angle. Look at the inner scale. The ray passes through 70° .



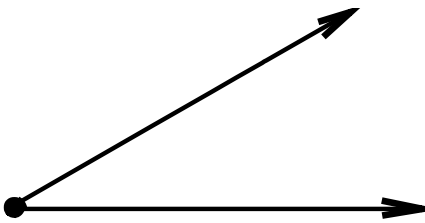
So, the measure of $\angle ABC$ is 70° .

Directions: Use a protractor to measure the angles. Write the measure of each angle on the line.

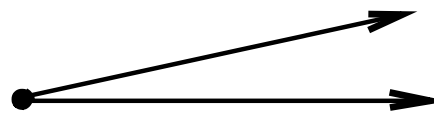
1.



2.



3.

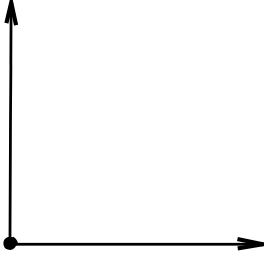


Geometric Figures: Skill 5 - 20B

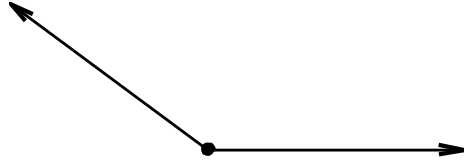
Measuring Angles

Directions: Use a protractor to measure the angles. Write the angle measure on the line below each angle.

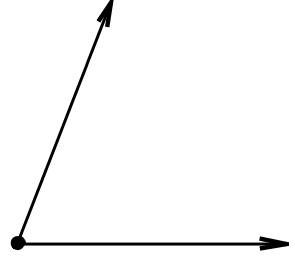
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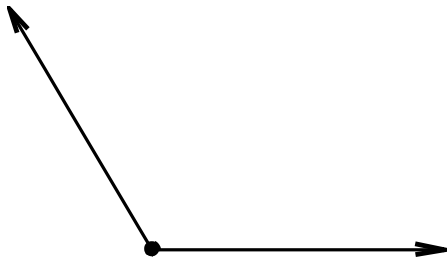
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6.



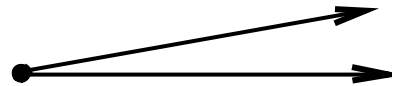
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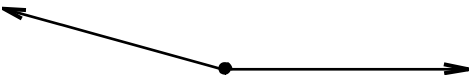
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9.



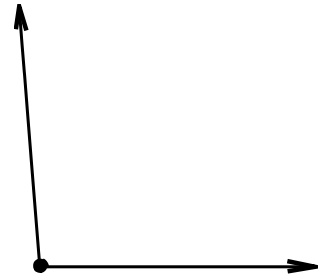
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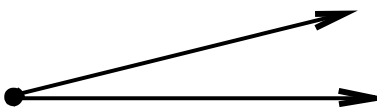
11.



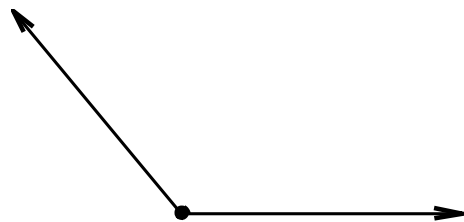
12.



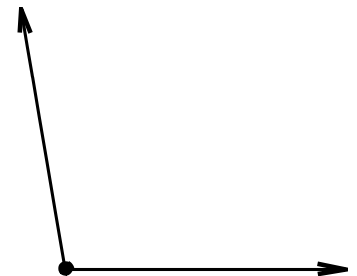
13.



14.



15.



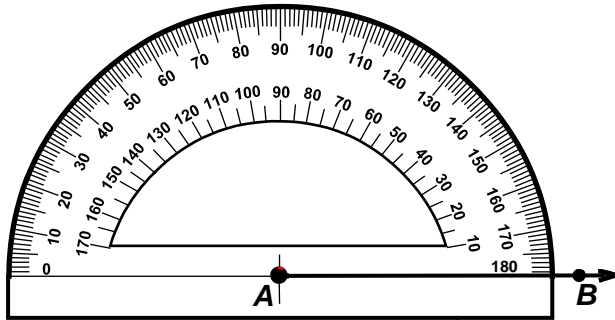
Geometric Figures: Skill 5 - 20B

Measuring Angles

How to Draw an Angle

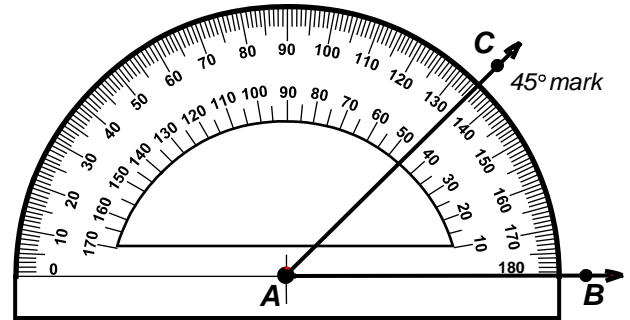
Step 1

Draw and label a ray. Line up the endpoint of the ray with the center point of the protractor. Line up the ray with the line on the protractor that extends from 0° to 180° .



Step 2

Make a point on your paper at the 45° mark on your protractor. Draw a ray connecting the vertex and the point you made on your paper. Label the ray.



Directions: Use a protractor to draw and label an angle in each box. The first one is completed for you.

<p>16. EXAMPLE</p> <p style="text-align: center;">42°</p>	<p>17.</p> <p style="text-align: center;">90°</p>	<p>18.</p> <p style="text-align: center;">35°</p>
<p>19.</p> <p style="text-align: center;">150°</p>	<p>20.</p> <p style="text-align: center;">110°</p>	<p>21.</p> <p style="text-align: center;">28°</p>

Answers: Skill 20A Grade 5

1. 45°

2. 30°

3. 15°

4. 90°

5. 145°

6. 70°

7. 120°

8. 170°

9. 10°

10. 165°

11. 10°

12. 95°

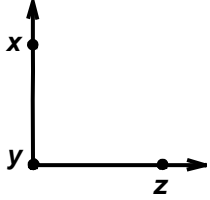
13. 15°

14. 130°

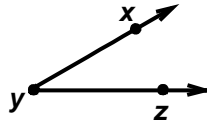
15. 100°

16. example

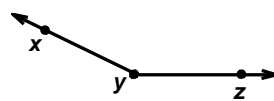
17.



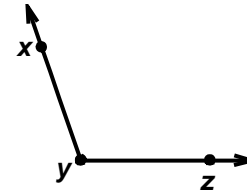
18.



19.



20.



21.

