Measuring an Angle

A. Choose the correct answer:

1. Which instrument is used to measure angles?

a) Scale b) Compass

c) Protractor d) Divider

2. What is the measure of a right angle?

a) 60° b) 90°

c) 180° d) 45°

3. What is the measure of a straight angle?

a) 90° b) 180°

c) 360° d) 45°

4. An angle measuring more than 90° but less than 180° is called

a) Acute angle b) Reflex angle

c) Right angle d) Obtuse angle

5. If one arm of an angle lies on the zero line of a protractor and the other on 60°, the measure of the angle is

a) 30° b) 90°

c) 60° d) 120°

B. Write the Missing Terms to Complete the Sentences:

1. We use a _____ to measure angles.
2. A right angle measures _____ degrees.
3. An angle that measures 120° is an example of an _____ angle.
4. The curved edge of a protractor is marked from _____ to _____ degrees
5. The center point of a protractor is called the _____.

C. Mark each sentence with a True (✔) or False (✗):

1. A protractor is used to measure and draw angles _____
2. A 180° angle is smaller than a 90° angle _____

3. 60° is greater than a right angle _____
4. Angles are measured in centimeters _____
5. The inner and outer scales of a protractor help in measuring angles from different directions _____

D. Figure out the answers to these questions:

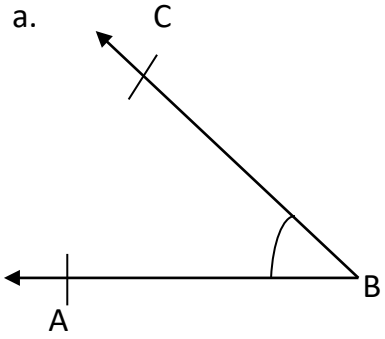
1. Measure an angle of 75° using a protractor and classify it.
2. Identify and write the type of angle formed at the corner of a square.
3. Measure any three angles in your geometry box using a protractor and write their types.
4. Draw an angle of 45° and label its arms and vertex.
5. Explain how to use a protractor to measure an angle accurately.

E. Challenge yourself with these questions:

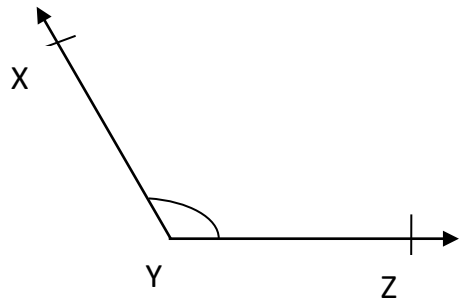
1. Measure and classify the angle between the hands of a clock at 2 o'clock.
2. Draw and measure an angle of 135° and name its type.
3. Use a protractor to measure the angle formed by two pencils placed in a 'V' shape.
4. Find the angle between the legs of a folding chair and write its type.
5. Measure and compare the angles at the corners of a rectangle and list their measures.

F. Measure each of the following angles with your protractor.

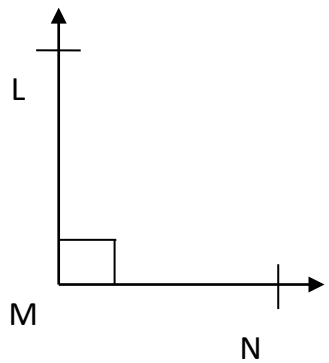
a.



b.



c.



d.