

## Drawing Angles

### A. Choose the Correct Answer:

1. Which tool is used to draw and measure angles?

- a) Ruler
- b) Compass
- c) Protractor
- d) Divider

2. What is the measure of a right angle?

- a)  $60^\circ$
- b)  $90^\circ$
- c)  $120^\circ$
- d)  $180^\circ$

3. An acute angle is always

- a) less than  $90^\circ$
- b) equal to  $90^\circ$
- c) more than  $90^\circ$
- d) equal to  $180^\circ$

4. Which of the following angles is an obtuse angle?

- a)  $45^\circ$
- b)  $89^\circ$
- c)  $120^\circ$
- d)  $90^\circ$

5. If an angle measures  $180^\circ$ , it is called a

- a) Acute angle
- b) Right angle
- c) Straight angle
- d) Reflex angle

### B. Write the Missing Terms to Complete the Sentences:

1. A right angle measures exactly \_\_\_\_ degrees.
2. The tool used to construct angles is called a \_\_\_\_.
3. An angle greater than  $90^\circ$  but less than  $180^\circ$  is called an \_\_\_\_ angle.
4. The angle formed on a straight line is \_\_\_\_ degrees.
5. A reflex angle is greater than \_\_\_\_ degrees but less than \_\_\_\_ degrees.

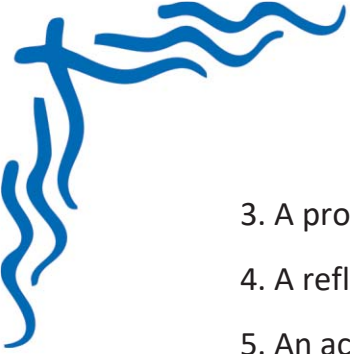
### C. Figure out the answers to these questions:

1. Draw an angle of  $60^\circ$  using a protractor and label it properly.
2. Construct a right angle and name the vertex and arms of the angle.
3. Draw an angle of  $120^\circ$  and name it.

### D. Mark each sentence with a True (✓) or False (X):

1. An obtuse angle is less than  $90^\circ$ .
2. A straight angle measures exactly  $180^\circ$ .

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3. A protractor is used to measure angles.
4. A reflex angle is always greater than  $360^\circ$ .
5. An acute angle is greater than  $90^\circ$ .

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**E. Figure out the answers to these questions:**

1. If the sum of two angles is  $90^\circ$ , what are these angles called? Can you draw an example?
2. Identify and name three different types of angles used in the design of a house roof.
3. Can an angle be more than  $360^\circ$ ? Explain with an example.
4. Two angles are complementary. If one angle is  $35^\circ$ , find the other angle.

**F. Challenge yourself with these questions:**

1. Why is it important to learn how to draw angles accurately in real life? Give two practical examples.
2. Rohan wants to draw a  $90^\circ$  angle but mistakenly draws an angle of  $85^\circ$ . What type of angle did he draw?
3. A clock shows the time 3:00 PM. What angle is formed between the hour and minute hands?