



CREST Mathematics Olympiad (CMO) Worksheet *for* Class 3



Topic
Geometry



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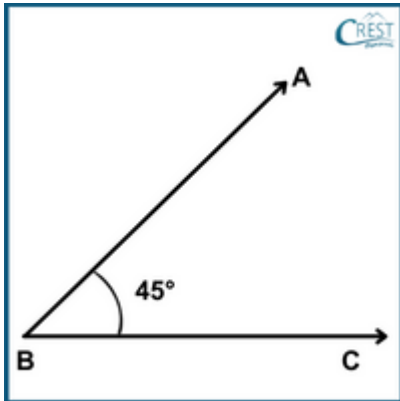


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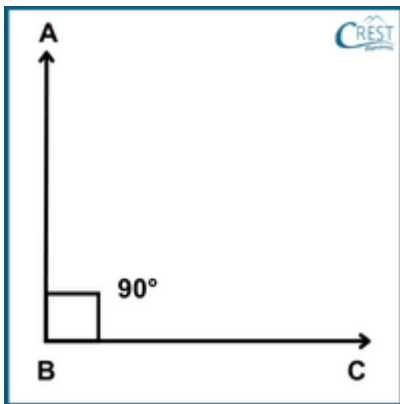
Worksheet on Geometry

1. Which of the following angles is the full rotation angle?

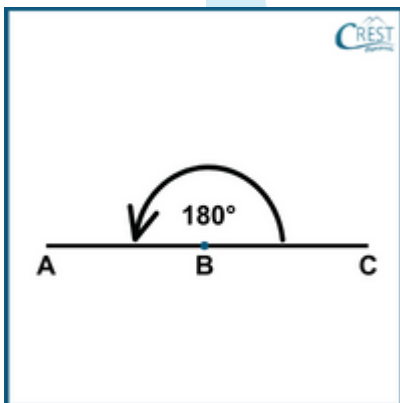
a.



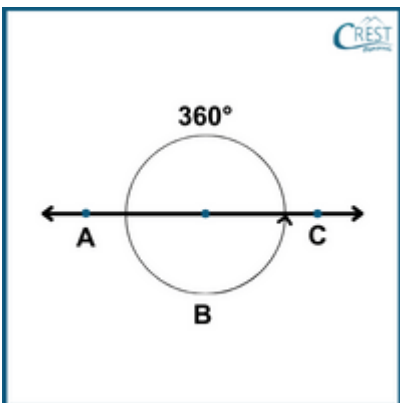
b.



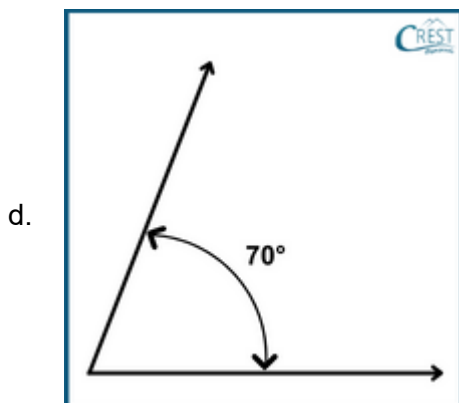
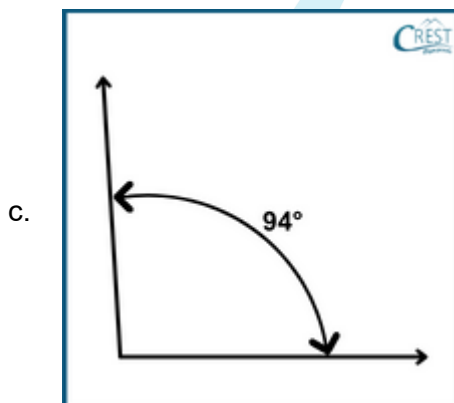
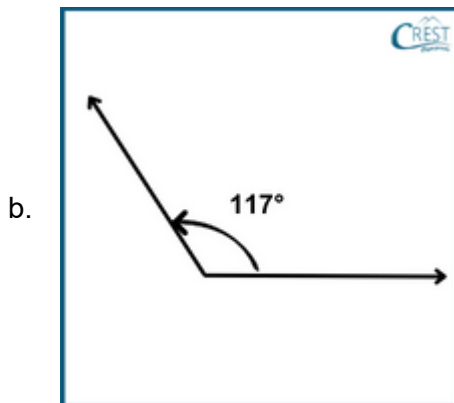
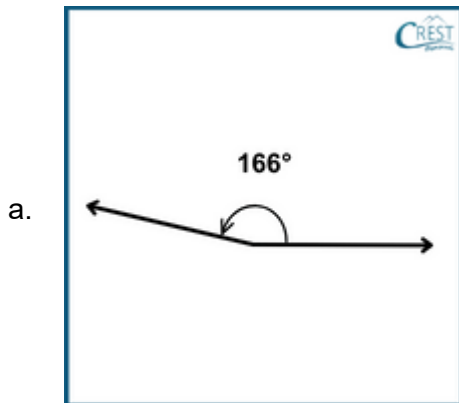
c.



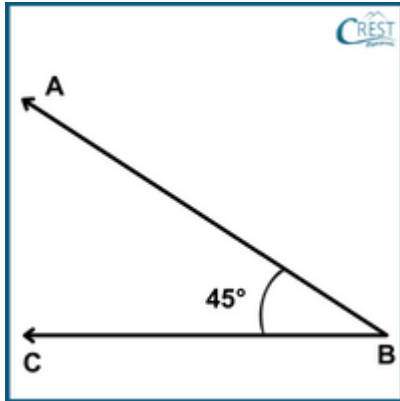
d.



2. Which of the following angles is NOT the measure of an obtuse angle?



3. Which angle is formed by four times of the given angle?



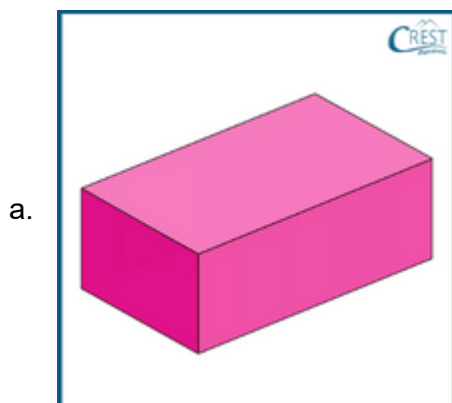
- a. Acute angle
- b. Right angle
- c. Straight angle
- d. Reflex angle

4. Which type of angle is made by the hands of the given clock?

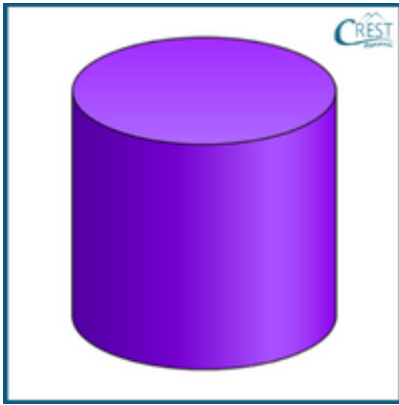


- a. Acute angle
- b. Obtuse angle
- c. Reflex angle
- d. Straight angle

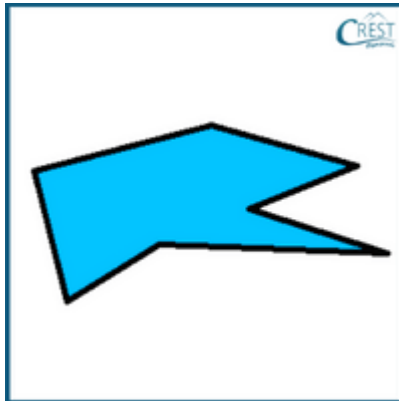
5. Which of the following shapes has the maximum number of sides?



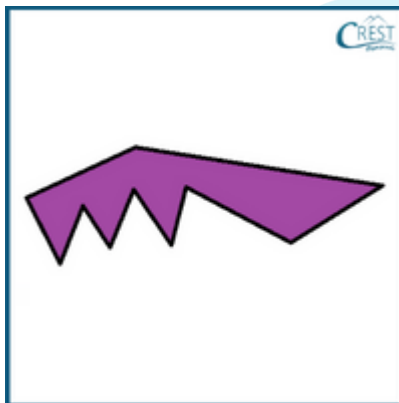
b.



c.



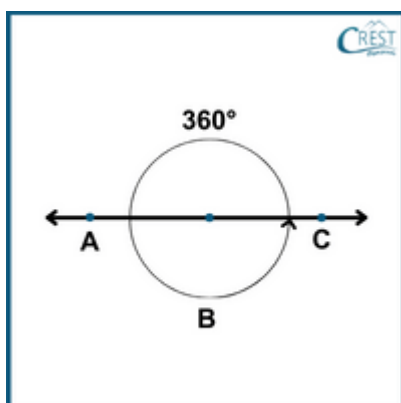
d.



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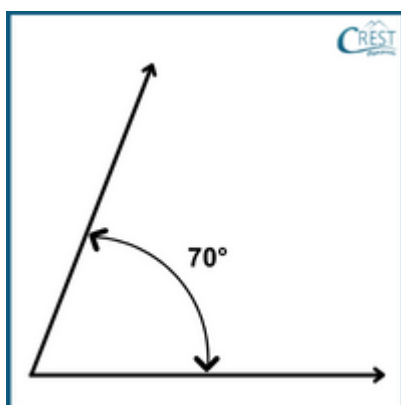
Answer Key

1. d -

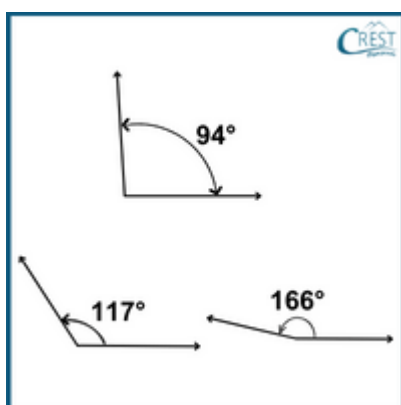


Explanation: A full rotation angle is an angle exactly equal to 360° . It is also known as a full or complete angle. When you travel all the way around in a circle, you have completed a full rotation.

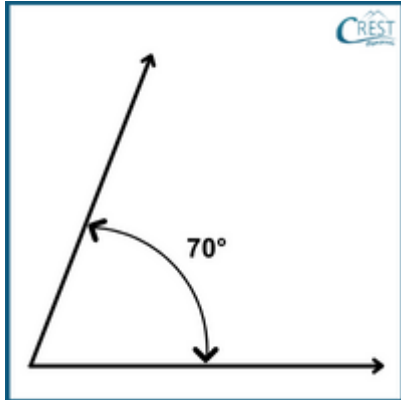
2. d -



Explanation: An obtuse angle is an angle larger than a right angle such as



An acute angle is an angle smaller than a right angle such as:



3. c - Straight angle

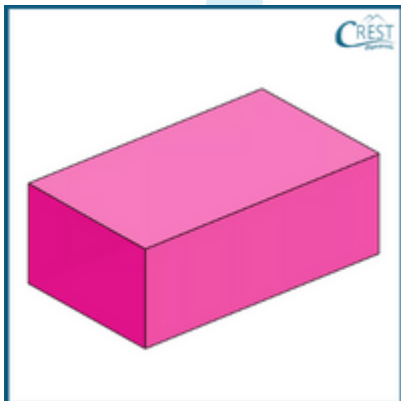
Explanation: Given angle = 45°

The angle formed by four times of the given angle = $4 \times 45^\circ$
 $= 180^\circ$

We know that 180° is a straight angle.

4. b - Obtuse angle

Explanation: The angle made by the hand of the clock is more than 90° and less than 180° . Thus, the angle is an obtuse angle.



5. a -

Explanation: In shape (a), the number of sides is 12.

In shape (b), the number of sides (straight line) is 2.

In shape (c), the number of sides is 7.

In shape (d), the number of sides is 10.

The maximum number of sides is in shape in option (a) i.e. 12.

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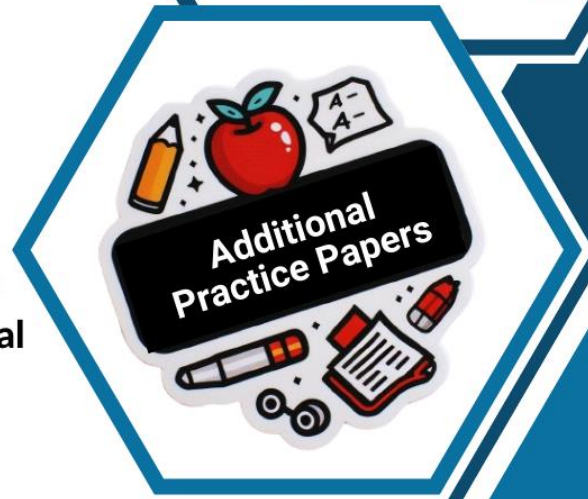
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