

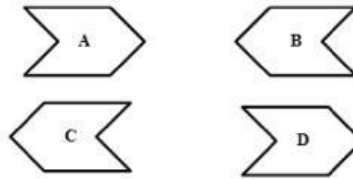
Question 1: Choose the most correct answer.

i. The sum of all angle in any triangles is.....

- A 60°
- B 90°
- C 180°
- D 360°

ii. Which of following shape is the translation image of shape A?

- A Shape A
- B Shape B
- C Shape C
- D Shape D



iii. Which of the following transformation will have opposite orientation?

- A Translation
- B Reflection
- C Rotation
- D None of the above

iv. If we bisect an angle, what will happen to the angle?

- A become exactly half
- B Becomes large
- C remains same
- D gets doubled

- v. The time on the clock given below is 9 o'clock. What types of angles will be formed by the minute hand and hour hand if it is 5 o'clock on the clock shown below?

- A Acute angle
- B Obtuse angle
- C Right angle
- D Straight angle



- vi. A triangle has no congruent angles and no congruent sides. What type of triangle is it?

- A Equilateral triangle
- B Scalene triangle
- C Isosceles triangle
- D Right triangle

- vii. What ccw rotation is the same as a 120° cw rotation?

- A 240° ccw
- B 240° cw
- C 180° cw
- D 120° ccw

2. Fill in the blanks.

- i. Drawing 3-D structures on a 2-D surface is called _____.
- ii. A triangle has 30 degree angle and 80 degree angle. The other angle is _____ degree angle.
- iii. Arrangement of congruent 2-D shapes without overlapping and without gap is called _____.
- iv. _____ triangle has 3 congruent sides and 3 congruent angles.

3. The angle in a triangle is always across from the longest side.
4. The largest angle in a right triangle is angle.
5. For the shapes to tessellate, the interior angle of the shape must be a factor of
6. When we construct an angle we use