

Question 1: Choose the most correct answer.

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

A 60°

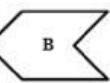
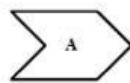
B 90°

C 180°

D 360°

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

A Shape A

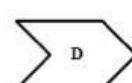


B Shape B

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