



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
उत्तर कुंजी/Answer key (2026-27)

कक्षा/Class : 5

विषय/Subject : Mathematics

माह/Month: September

दिया गया पाठ्यक्रम/Portion covered: Chapter 7

अंक/Marks : 40

Section A- Knowledge (10)

A. Choose the correct answer.

1. c) Square 2. b) 3 3. c) Equilateral triangle 4. d) Both Rectangle and Parallelogram
5. d) Regular Pentagon 6. d) 6

B. Do as directed

1. Square, rectangle, regular hexagon
2. Equilateral triangle, isosceles triangle and scalene triangle
3. 7 pieces are there in a tangram. The non triangular pieces are square and parallelogram
4. Four squares make 360° . A full turn around a point is 360° , so the four squares fit perfectly with no gaps or overlaps while 5 squares will become 450° . But only 360° is available around a point. Since **450° is greater than 360°** , the squares would overlap, so they cannot fit.
5. Circles **cannot tessellate** because they **leave gaps** when placed side by side.

6. Match the following;

A-2, B-1, C-4, D-3

Section B-Understanding (10)

A. Fill in the Blanks

- 1) tessellation 2) 3 3) 4 4) 7 5) a point 6) Weaving

B. Choose the correct answer

1. Triangle 2. Triangle 3. Square 4. Square 5. Squares and regular hexagons 6. 360°

C. True or False

1. False 2. True 3. True 4. True 5. True 6. True 7. True 8. False

Section C-Ability to compute (10)

A. Choose the correct answer

1. d) Equilateral triangle 2. c) Isosceles triangle 3. a) Rectangle 4. c) Circle

B. Short Answer Questions

1. A quadrilateral is a closed shape with four sides, four corners (vertices), and four angles. Examples of quadrilaterals: Square, Rectangle, Parallelogram, Rhombus, Trapezium
2. a-8 b-12 c-6 d- 1
3. I would recommend squares or regular hexagons because they cover the floor completely without gaps or overlaps, making a strong and attractive pattern.
4. No. One square and two triangles make only 210° , which is less than 360° , so gaps are left. Therefore, it is not a tessellation.
5. A floor tile pattern is an example of a pattern seen in daily life. Other examples include: Brick wall patterns, Chessboard pattern, Honeycomb pattern, Rangoli designs.

6.Match the Following

A-3 B-4 C-1 D-2

7. Draw any design

Section D-Problem Solving Ability (10)

A. Choose the correct answer

1. c) Triangle 2.b) Floor tiles made of squares 3. a) Squares only
4. b) Kite 5.a) Every square is a rectangle 6. (b) 20 7. (b) 20 8. b) hexagon

B. Give two real – life examples each of:

(i) Tessellation- Honeycomb, tiled floor (ii) Wearing patterns- Basket, fabric design

C. 1.a-Dodecahedron b. Icosahedron

2. Draw more shapes

D. Match the following Answers: A-2, B-1, C-4, D-2

E. True or False

- 1.True 2. False 3. True 4. True 5. True 6. False 7. True 8. True