



Total Number of printed pages: 03
परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
ANSWER KEY
कार्यपत्रक / Worksheet (2026-27)

कक्षा /Class: 5 विषय /Subject: Mathematics माह/ Month: April to June अंक/Marks: 40

दिया गया पाठ्यक्रम/Portion covered: Lesson 1,2 and 3

SECTION – A: KNOWLEDGE (10 Marks)

A1 Choose the correct answer and fill in the blanks. (6 x 1 =6)

- a) ii) 50000
- b) iii) 60,509
- c) i) $\frac{8}{5}$
- d) iv) 3
- e) iii) 40,147
- f) ii) obtuse

A2 Do as directed. (4 X 1 = 4)

- a) 14,806- Fourteen thousand eight hundred six.
- b) 76, 543 45, 867 45,678 44, 145
- c) i) As small as possible – 26,549
ii) As big as possible – 96,245
- d) $\frac{2}{10}$, $\frac{3}{15}$, $\frac{4}{20}$, $\frac{6}{30}$ (Accept all correct answers)

SECTION – B: UNDERSTANDING (10 Marks)

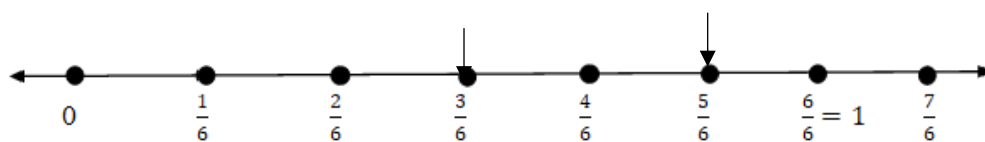
B1. Fill in the blanks. (4 X 1 = 4)

- a) $\frac{1}{16}$
- b) 56 notes
- c) 7
- d) One full

B2. Do as directed. (3 X 2= 6)

1. 83,800 83,950 84,500 84,400 (Accept all correct answers)

2.



3.

4
8

$$\frac{5}{10}$$

$$\frac{7}{14}$$

$$\frac{10}{20}$$

SECTION – C: ABILITY TO COMPUTE (10 Marks)

C1. Complete the table.

(2 X 1 =2)

Number	Nearest tens	Nearest hundreds	Nearest thousands
27563	27560	27600	28000
86529	86530	86500	87000

C2. Observe the expanded form and write the correct number.

(2 X 1 = 2)

i) $80000 + 6000 + 400 + 5 = 86,405$

ii) $20000 + 1000 + 300 + 90 = 21,390$

C3. Draw the angles formed by the following turns.

(2 X 1 = 2)

$$\frac{1}{6} = \frac{360}{6} = 60 \text{ degrees} \quad , \quad \frac{1}{2} = \frac{360}{2} = 180 \text{ degrees}$$

(Angle with proper measurement)

C4. What comes next?

(2 X 1 = 2)

a) 81100, 81200, 81300, 81400, 81500

b) 45550, 45600, 45650, 45700, 45750

C5. How many $\frac{1}{12}$ make? Colour and count.

(2 X 1 = 2)

Ans. 4

Ans. 3

SECTION – D: PROBLEM SOLVING ABILITY (10 Marks)

D1. a) $\frac{1}{4}$ b) 30 c) $\frac{3}{4}$ (1 X 3 =3)

D2. Solve. (2 X 2 = 4)

a) $\frac{2}{9}$ b) Brinjal

1.

145 boys + 155 girls = 300 children

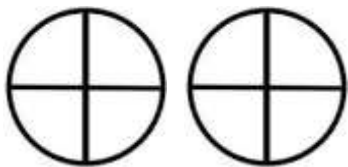
2.

a) Number of cars needed = $\frac{300}{5} = 60$

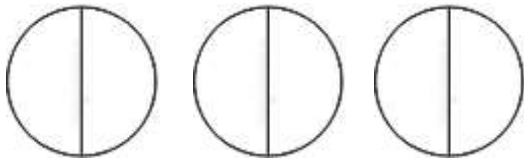
b) Number of buses = $\frac{300}{30} = 10$

(1 X 3 =3)

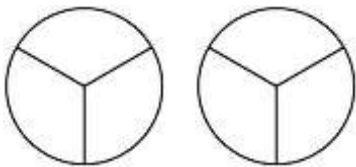
D3.



Veena ate 2 dosas.



Meenu ate 3 dosas.



Tina ate 2 dosas.



परमाणु ऊर्जा शिक्षण संस्था
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उत्तर कुंजी / Answer Key (2026-27)

कक्षा /Class: 5 विषय/Subject: गणित/Maths माह/ Month: जुलाई / July अंक/Marks: 40
दिया गया पाठ्यक्रम/Portion covered: _____

SECTION A: CONCEPT - KNOWLEDGE (10 Marks)

A. Choose the correct answer and fill in the blanks. (1x2=2)

1. c) Consecutive
2. d) Palindromes

B. Do as directed. (2x2=4)

1. a) A 'straight angle' is exactly $\frac{1}{2}$ of a turn whose measure is 180 degrees.

b) Two (2) right angles combine to make one straight angle.

2. Match the following turns to their corresponding angle names:

- a) Less than $\frac{1}{4}$ turn $\rightarrow$ iii) Acute angle
- b) Exactly $\frac{1}{4}$ turn $\rightarrow$ iv) Right angle
- c) Between $\frac{1}{4}$ and $\frac{1}{2}$ turn $\rightarrow$ ii) Obtuse angle
- d) Exactly $\frac{1}{2}$ turn $\rightarrow$ i) Straight angle

C. Complete the table (1x4=4)

Starting Direction	Turns	Ending Direction
North	1 right angle, anticlockwise	West
South	1 right angle, clockwise	West
East	4 right angles, anticlockwise	East
North	2 right angles, clockwise	South

SECTION B: UNDERSTANDING (10 Marks)

A. Tick the correct answer. (1x2=2)

1. c) Giant Wheel
2. a) Even (Sum is 10)

B. Do as directed. (2x2=4)

1. 101, 111, 121, 131

2. Find the relationship between addition and subtraction: a) 1301

- 839 = 462

b) 1301 - 462 = 839

C.1 Look at the movement of a clock's minute hand and answer. (1x4=4)

- Moves by 30 minutes: $\frac{1}{2}$ of a turn
- Moves by 45 minutes: $\frac{3}{4}$ of a turn
- Moves by 15 minutes: $\frac{1}{4}$ of a turn
- Direction hands normally move: Clockwise

SECTION C: ABILITY TO COMPUTE (10 Marks)

A. Choose the correct answer. (1x2=2)

1. b) 68 (Since $32 + 68 = 100$)

2. b) 148 ($247 - 99 = 148$)

B. Do as directed. (2x2=4)

1. 3x3 grid with numbers 1 to 9 (Increasing order):

3 rows correct order – 1mark, 3 columns correct order 1 mark

1	2	3
4	5	6
7	8	9

2. Two numbers closest to 10,000 in sum:

The numbers are 4,188 and 5,440. (Sum = 9,628, closest to 10,000 among the given).

C. Perform the following mathematical operations: (2x2=4)

a) $26,444 + 71,111 = 97,555$

d) $77,777 - 777 = 77,000$

SECTION D: PROBLEM SOLVING ABILITY (10 Marks)

A. Tick the correct answer. (1x2=2)

1. b) 65 L ($18 \text{ L} + 47 \text{ L}$)

2. a) 4,550 (Rs. 3,275 + Rs. 1,275)

B. Solve. (2x2=4)

1. Route distances:

Land route (Srinagar to Kanyakumari) = 3,717 km

Sea route (Mumbai to Chennai) = 2,700 km

Result: The Land route is longer by 1,017 km ($3,717 - 2,700$).

2. Factory production:

Order placed = 85,300

Factory produces = 54,000

Result: 31,300 more nuts and bolts needed ($85,300 - 54,000$).

C. Solve. (2x2=4)

Ambrish's Savings & Purchases:

Total savings = Rs. 92,375

Cost of items: Cow = Rs. 26,000, Goat = Rs. 17,000, Milking machine = Rs. 19,873.

a) Total expenditure = $26,000 + 17,000 + 19,873 = \text{Rs. } 62,873$

b) Yes, because $92,375 > 62,873$.

Money left = $92,375 - 62,873 = \text{Rs. } 29,502$.



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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



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कार्यपत्रक / Worksheet (2026-27)

कक्षा / Class: 5 विषय / Subject: Mathematics माह / Month: April to June अंक / Marks: 40

दिया गया पाठ्यक्रम / Portion covered: Lesson 1, 2 and 3

विद्यार्थी का नाम / Name of the student: _____

अनुक्रमांक / Roll No. _____ कक्षा/अनुभाग / Class / Sec.: _____ दिनांक / Date: _____

SECTION – A: KNOWLEDGE (10 Marks)

A1. Choose the correct answer and fill in the blanks. (6 x 1 = 6)

a) The place value of the digit 5 in the travel distance of 52,693 is _____

- i) 5000 ii) 50000 iii) 500 iv) 500000

b) Sixty thousand + Five hundred + Nine ones = _____

- i) 16,509 ii) 60,590 iii) 60,509 iv) 6,509

c) Which fraction is greater than 1?

- i) $\frac{8}{5}$ ii) $\frac{9}{11}$ iii) $\frac{12}{15}$ iv) $\frac{6}{7}$

d) Raman ate 6 pieces of $\frac{1}{2}$ parathas. This means he ate _____ parathas in all.

- i) 6 ii) $\frac{3}{2}$ iii) 4 iv) 3

e) Which number is the smallest? _____

- i) 47,074 ii) 75,094 iii) 40,147 iv) 47,147

f) At 8 O'clock the hands of the clock make _____ angle.

- i) acute ii) obtuse iii) straight iv) right

A2. Do as directed. (4 X 1 = 4)

a) Write the number name of:

14,806 - _____

b) Arrange the numbers in descending order.

45,678 76,543 45,867 44,145

c) Interchange two digits of 56,249 to make a number.

- i) As small as possible - _____
 ii) As big as possible - _____
 d) Write four equivalent fractions of $\frac{1}{5}$.
-

SECTION – B: UNDERSTANDING (10 Marks)

B1. Fill in the blanks. **(4 X 1 = 4)**

- a) Half of $\frac{1}{8}$ is _____.
- b) There are _____ 100-rupee notes in ₹ 5678.
- c) $934 =$ _____ Hundreds + 23 tens + 4 ones.
- d) Four $\frac{1}{4}$ turns means _____ turn.

B2. Do as directed. **(3 X 2 = 6)**

1. Write any 4 numbers between the numbers 83,562 and 84, 595.
-

2. Draw number line to show these fractions: $\frac{5}{6}$ and $\frac{3}{6}$

- 3 Circle the fractions that are equal to $\frac{1}{2}$.

$$\frac{4}{8}$$

$$\frac{5}{10}$$

$$\frac{7}{5}$$

$$\frac{10}{20}$$

$$\frac{8}{4}$$

$$\frac{6}{9}$$

$$\frac{7}{14}$$

$$\frac{11}{12}$$

SECTION – C: ABILITY TO COMPUTE (10 Marks)

C1. Complete the table. **(2 X 1 = 2)**

Number	Nearest ten	Nearest hundred	Nearest thousand
27563	27560		
86529			87000

C2. Observe the expanded form and write the correct number. **(2 X 1 = 2)**

i) $80000 + 6000 + 400 + 5 =$ _____

ii) $20000 + 1000 + 300 + 90 =$ _____

C3. Draw the angles formed by the following turns. (2 X 1 = 2)

$\frac{1}{6}$	$\frac{1}{2}$
---------------	---------------

C4. What comes next? (2 X 1 = 2)

a) 81100, 81200, 81300, _____, _____

b) 45550, 45600, 45650, _____, _____

C5. How many $\frac{1}{12}$ make-

a) $\frac{1}{3}$

Ans:

b) $\frac{1}{4}$

Ans:

SECTION – D: PROBLEM SOLVING ABILITY (10 Marks)

D1. Observe the clock and fill in the blanks. (3 X 1 = 3)

a) When the minute moves by 15 minutes, it has made a _____ turn of the circle.

b) When the minutes hand moves by _____ minutes, it has made a $\frac{1}{2}$ turn of the circle.

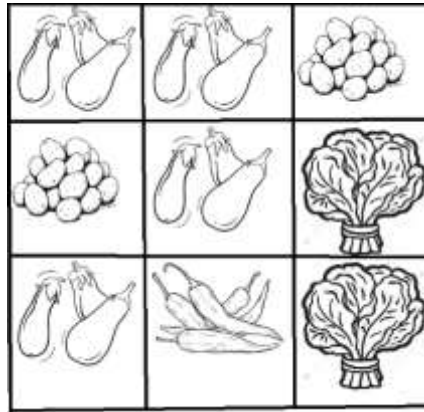
c) When the minutes moves from 12 to 9, it has made a _____ turn of the circle.



D2. Solve.

(2 X 2 = 4)

1. Madan has divided his field into 9 equal parts and grew different vegetables on it.



a) What part of the field does he grow potatoes on? _____

b) Which vegetable occupies the biggest part of his field? _____

2. A summer camp has 145 boys and 155 girls, How many vehicles are needed for all of them to go on a field trip using the following modes of travel.

a) Car which can carry 5 children at a time-

b) Bus which can carry 30 children at a time-

- D3. Veena ate 8 pieces of $\frac{1}{4}$ of dosa, Meenu ate 6 pieces of $\frac{1}{2}$ of dosa and Tina ate 6 pieces of $\frac{1}{3}$ of dosa. How many dosas did each of them eat? Draw the dosas and write the answer. (3)



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Atomic Energy Education Society
कार्यपत्रक / Worksheet (2026-27)

कक्षा /Class: 5 विषय/Subject: गणित/Maths माह/ Month: जुलाई / July अंक/Marks: 40

दिया गया पाठ्यक्रम/Portion covered: Chapter 3 and 4

विद्यार्थी का नाम/Name of the student: _____

अनुक्रमांक /Roll No. _____ कक्षा/अनुभाग Class /Sec.: _____ दिनांक /Date: _____

SECTION A: KNOWLEDGE (10 Marks)

A. Choose the correct answer and fill in the blanks. (1 x 2=2)

1. Numbers that follow one another in order without skipping any number are called _____ numbers.

- a) Odd b) Even c) Consecutive d) Prime

2. Numbers that read the same when read from left to right or from right to left are called _____.

- a) whole numbers b) Fractions c) Mixed numerals d) Palindromes

B. Do as directed. (2x2=4)

1. a) Define a 'straight angle' in terms of turns.

b) How many right angles combine to make one straight angle?

2. Match the following turns to their corresponding angle names:

- | | |
|---|-------------------|
| a) Less than $\frac{1}{4}$ turn | i) Straight angle |
| b) Exactly $\frac{1}{4}$ turn | ii) Obtuse angle |
| c) Between $\frac{1}{4}$ and $\frac{1}{2}$ turn | iii) Acute angle |
| d) Exactly $\frac{1}{2}$ turn | iv) Right angle |

C. Complete the table (1x4=4)

Amit and Bindu are playing a game in which their Nani maa tells them the direction in which they should rotate. Complete the table by filling the direction the children will face on completing the given turns.

Starting Direction	Turns	Ending Direction
a) North	1 right angle, anticlockwise	

b) South	1 right angle, clockwise	
c) East	4 right angle, anticlockwise	
d) North	2 right angles, clockwise	

SECTION B: UNDERSTANDING (10 Marks)

A. Tick (✓) the correct answer.

(1x2=2)

1. Which of the following objects typically makes a full turn when operated?

- a) Door with hinge b) Pair of scissors c) Giant Wheel d) Clothes clip

2. The sum of 1 + 2 + 3 + 4 is:

- a) Even b) Odd c) Zero d) None of the above

B. Do as directed.

(2x2=4)

1. List the palindrome numbers from 100 to 140.

2. Fill in the blanks to find the relationship between addition and subtraction:

If $462 + 839 = 1301$, then:

a) $1301 - \underline{\hspace{2cm}} = 462$

b) $1301 - \underline{\hspace{2cm}} = 839$

C. Do as directed.

(1x4=4)

1. Look at the movement of a clock's minute hand and answer the following.

a) When the minute hand moves by 30 minutes, what turn of a whole does it make?

_____.

b) When the minute hand moves by 45 minutes, what turn of a whole does it make?

_____.

c) When the minute hand moves by 15 minutes, what turn of a whole does it make?

_____.

d) What do we call the direction in which the hands of a clock normally move?

_____.

SECTION C: ABILITY TO COMPUTE (10 Marks)

A. Choose the correct answer

(1x2=2)

1. Using the quick sum method, what number should be added to 32 to make it exactly 100?

- a) 58 b) 68 c) 78 d) 88

2. Subtract 99 from 247 using the quick subtraction method.

- a) 149 b) 148 c) 147 d) 151

B. Do as directed.

(2x2=4)

1. In a 3x3 grid arrange the numbers 1 to 9 such that each row and each column has numbers in an increasing (inc) order. Each number should be used only once.

			inc
			inc
			inc
inc	inc	inc	

2. Find two numbers among 6,205, 6,238, 7,059, 4,188 and 5,440 whose sum is closest to 10,000.

C. Do as directed

(2x2=4)

1. Perform the following mathematical operations:

a) $26,444 + 71,111$

b) $77,777 - 777$

SECTION D: PROBLEM SOLVING ABILITY (10 Marks)

A. Tick (✓) the correct answer.

(1x2=2)

1. A minibus has 18 L of fuel left in its tank. 47 L more is added during refuelling. What is the total quantity of fuel now?

- a) 55 L b) 65 L c) 75 L d) 85 L

2. Mary spends Rs. 3,275 on food and Rs. 1,275 on clothes during her trip. What is the total amount spent on these two items?

- a) 4,550 b) 2,000 c) 4,500 d) 4,005

B. Solve.

(2x2=4)

1. The distance of the land route from Srinagar to Kanyakumari is 3,717 km. The distance of the sea route from Mumbai to Chennai is 2,700 km. Which route is longer and by how much?

2. A factory produces 54,000 nuts and bolts in a day. An order is placed for 85,300 nuts and bolts. How many more nuts and bolts does the factory need to produce to complete the order?

C. Solve.

(2x2=4)

1. Ambrish saved Rs. 92,375 over a year. He decides to buy a cow for Rs. 26,000, a goat for Rs. 17,000, and a milking machine for Rs. 19,873.

a) Calculate his total expenditure for buying the cow, goat, and milking machine.

b) Will he be left with any money after the purchase? If yes, how much?



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कार्यपत्रक / Worksheet (2026-27)

कक्षा /Class: V विषय /Subject: Mathematics माह/ Month: September अंक/Marks: 40

दिया गया पाठ्यक्रम/Portion covered: Chapter - 7

विद्यार्थी का नाम/Name of the student: _____

अनुक्रमांक /Roll No. _____ कक्षा/अनुभाग Class /Sec.: _____ दिनांक /Date: _____

Section A- Knowledge (10)

A. Choose the correct answer.

(3m)

1. Which shape can tessellate (cover a surface without gaps or overlaps by itself)?

- a) Circle b) Regular Pentagon c) Square d) Regular Octagon

2. How many regular hexagons fit perfectly around one point?

- a) 2 b) 3 c) 4 d) 5

3. A triangle with all sides equal is called a _____.

- a) Scalene triangle b) Right triangle c) Equilateral triangle d) Isosceles triangle

4. Which quadrilateral has opposite sides equal and parallel?

- a) Kite b) Rectangle c) Parallelogram d) Both b and c

5. Which shape does NOT tessellate?

- a) Square b) Equilateral Triangle c) Regular Hexagon d) Regular Pentagon

6. How many regular triangles fit perfectly around one point?

- a) 3 b) 4 c) 5 d) 6

B. Do as directed

(5m)

1. Name any three shapes that tessellate by themselves.

_____, _____, _____

2. What are the three types of triangles based on sides?

_____, _____, _____

3. How many pieces are there in a tangram? Name the non-triangular pieces.

4. Why can four squares fit around a point but five squares cannot?

5. Explain why circles cannot tessellate.

6. Match the Following

(2m)

Column A

Column B

A. 6 triangles meet at a point

1. Pattern

B. Floor tiles

2. Tessellation

C. Rangoli

3. Line of symmetry

D. Mirror line

4. Triangle

Section B-Understanding (10)

A. Fill in the Blanks

(3m)

1. A pattern that repeats without gaps is called _____.
2. An equilateral triangle has _____ equal sides.
3. A quadrilateral has _____ sides.
4. A tangram consists of _____ pieces.
5. Three regular hexagons meet perfectly around _____.
6. _____ is the process of crossing strips over and under each other to make a design.

B. Choose the correct answer.

(3m)

1. Which of the following shapes has three sides?

- a) Rectangle b) Triangle c) Square d) Pentagon

2. Which of the following is NOT a quadrilateral?

- a) Square b) Rectangle c) Triangle d) Kite

3. Which shape has all four sides equal and all angles equal?

- a) Rectangle b) Rhombus c) Square d) Trapezium

4. Which shape can cover a floor completely without leaving any gaps?

- a) Circle b) Square c) Oval d) Pentagon

5. Name any two shapes that can tile a floor without leaving gaps.

- a) Squares and regular hexagons b) squares and circle
c) Rectangle and circle d) triangle and rectangle

6. Four corners of a square together make:

- a) 90° b) 180° c) 270° d) 360°

C. True or False

(4m)

1. Circles tessellate without gaps. _____
2. A kite has two pairs of adjacent equal sides. _____
3. Every square is a rectangle. _____
4. A scalene triangle has all unequal sides. _____
5. Four squares fit around a point perfectly. _____
6. An icosahedron has 20 faces and dodecahedron has 12 faces. _____
7. A pattern is an arrangement that repeats. _____
8. A square has only one line of symmetry. _____

Section C-Ability to compute (10)

A. Choose the correct answer

(2m)

1. Which triangle has all sides equal?

- a) Scalene triangle b) Right triangle c) Isosceles triangle d) Equilateral triangle

2. A triangle with two equal sides is called:

- a) Equilateral triangle b) Scalene triangle c) Isosceles triangle d) Right triangle

3. Which shape has opposite sides equal and all angles 90° ?

- a) Rectangle b) Kite c) Trapezium d) Pentagon

4. Which of the following has no straight sides?

- a) Square b) Triangle c) Circle d) Rectangle

B. Short Answer Questions

(5m)

1. What is a quadrilateral?

2. Nisha painted a large cube made from 27 small cubes.

(a) Cubes with 3 faces painted = _____ (b) Cubes with 2 faces painted = _____

(c) Cubes with 1 face painted = _____ (d) Cubes with no faces painted = _____

3 . Your school wants to design a floor using only one shape. Which shapes would you recommend?

4. Rahul made a pattern using squares and triangles. At every corner, one square and two triangles meet. Is this a tessellation?

5. Give one example of a pattern seen in daily life.

6. Match the Following –

(2m)

Column A

Column B

A. Tessellation

1. Over and under strips

B. Pattern

2. Mirror image

C. Weaving

3. Covers a surface without gaps

D. Symmetry

4. Repeating design

7. Draw a design using circles and colour it

(1m)

Section D-Problem Solving Ability (10)

A. Choose the correct answer

(4m)

1. Which of these is a closed shape?

a) Open curve

b) Zigzag line

c) Triangle

d) Line segment

2. Which of the following is an example of a tessellation?

- a) Coins placed on a table b) Floor tiles made of squares
c) Balls in a basket d) Marbles in a bowl

3. Which combination can make a tessellation?

- a) Squares only b) Circles only c) Ovals only d) Spheres

4. Which shape has two pairs of adjacent equal sides?

- a) Rectangle b) Kite c) Triangle d) Circle

5. Which statement is correct?

- a) Every square is a rectangle. b) Every rectangle is a square.
c) Every kite is a rectangle. d) Every triangle is a quadrilateral.

6. How many vertices does a dodecahedron have?

- (a) 12 (b) 20 (c) 30 (d) 8

7. How many faces does an icosahedron have?

- (a) 12 (b) 20 (c) 30 (d) 8

8. What is a 6 sided shape with equal sides called?

- a) octagon b) hexagon c) pentagon d) heptagon

B. Give two real – life examples each of:

(1m)

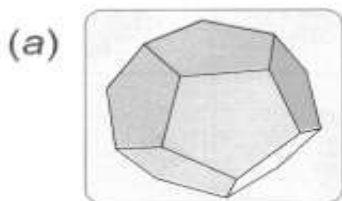
(i) Tessellation _____

(ii) Weaving patterns _____

C. Do as directed.

1. Identify the following shapes:

(1m)

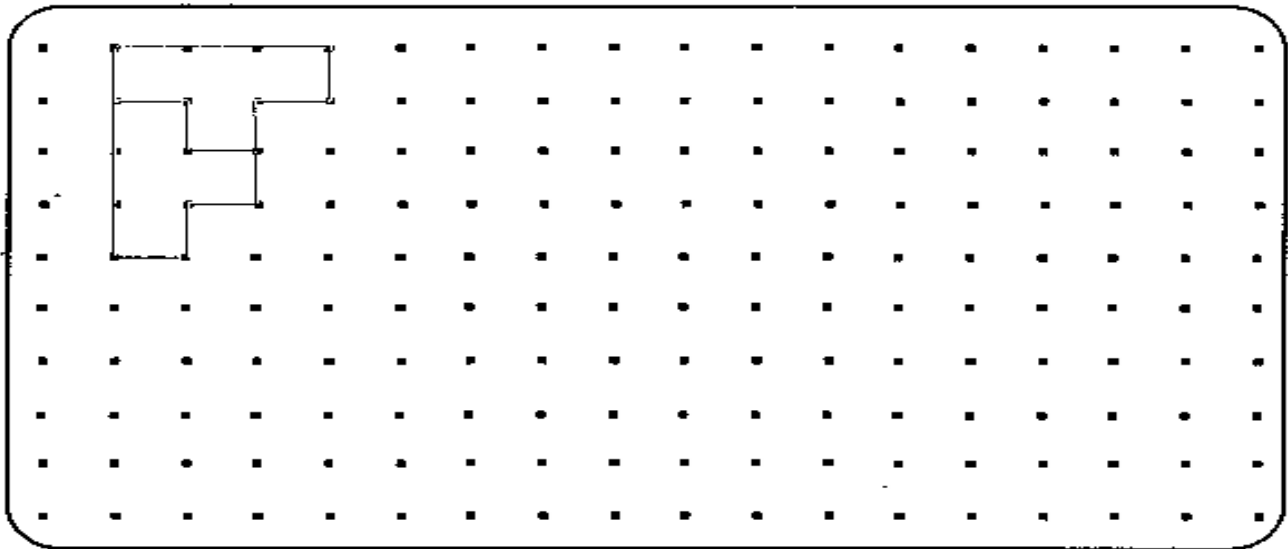


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2. Complete the tessellation patterns by adding more shapes to the grid: (1m)



D. Match the following (1m)

Column A

- A. Circle
- B. Kite
- C. Square
- D. Triangle

Column B

- 1. Two pairs of equal adjacent sides
- 2. No corners
- 3. Three sides
- 4. Four equal sides

E. True or False (2m)

- 1. A rectangle has opposite sides equal. _____
- 2. A circle has corners. _____
- 3. A tessellation covers a surface without gaps or overlaps. _____
- 4. Regular hexagons can fit together without leaving gaps. _____
- 5. Weaving is done by placing strips over and under each other. _____
- 6. Five squares can fit perfectly around one point without gaps. _____
- 7. A parallelogram has opposite sides parallel. _____
- 8. Patterns can be seen in rangoli, floor tiles, and basket weaving. _____