

SUMMATIVE ASSESSMENT I 2026-2027

Mathematics

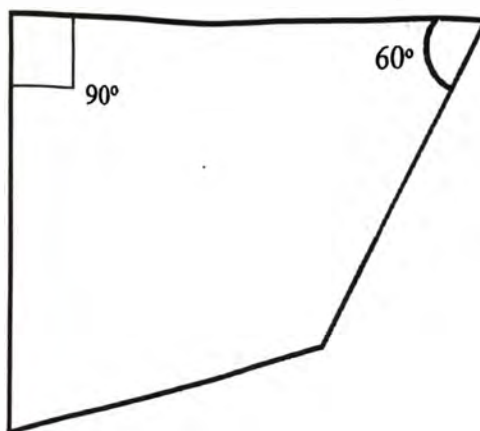
Standard : VI

Time : 2 Hrs 15 minutes

Instructions

- First 15 minutes is allotted as cool-off time. Read the questions carefully and plan the answers during this time.
- Answer all six questions. Answer all the sub questions.
- Two questions are there in Question 2 and 4. Attempt **any one** of them. (2A or 2B and 4A or 4B).

1. Look at this figure.



a. Given below are a few statements related to this figure.

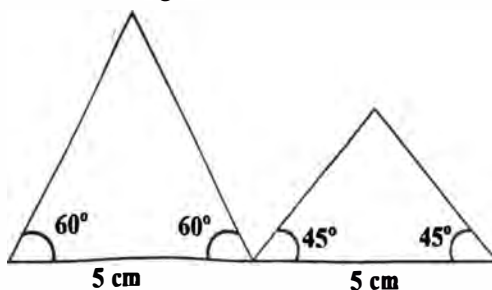
- One angle in this figure is more than right angle.
- Three angles in this figure are less than right angle.
- Two angles in this figure are less than right angle.

Which of the following is correct?

- A. Statements (i) and (ii) are correct. B. Statements (i) and (iii) are correct.
C. Statements (ii) and (iii) are correct. D. Only statement (i) is correct.

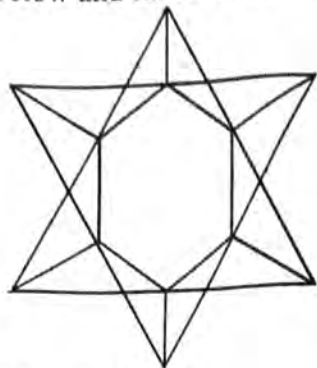
b. Measure and write the largest angle in the above figure.

c. Draw the figure below with the given measurements.

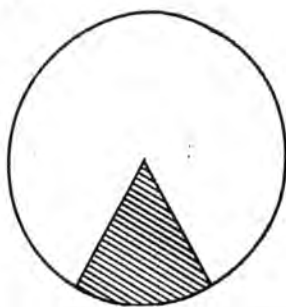


Question 2 has two questions (2A and 2B). Answer any one.

2.A. a. Draw the picture below and shade it beautifully.



b. $\frac{1}{6}$ part of the circle below is shaded.



Which of the following is the angle of the shaded part?

- A. $360^\circ \times 6$ B. $360^\circ \div 6$
C. $180^\circ \div 6$ D. $180^\circ \times 6$

OR

2.B. a. Which of the following statements is correct related to the shaded part of the circle?

- A. $\frac{1}{3}$ part of the circle is shaded.
B. $\frac{3}{10}$ part of the circle is shaded.
C. $\frac{3}{8}$ part of the circle is shaded.
D. $\frac{3}{5}$ part of the circle is shaded.



b. Draw a circle and shade its $\frac{4}{9}$ part.

3. A few apples with the same size, each cut into 4 equal parts are kept in a bowl.

- a. Sumesh took 9 pieces. How many apples did Sumesh get?
b. Divya got $3\frac{1}{4}$ apples. How many pieces did Divya take?
c. How many apples did Divya and Sumesh take altogether?
d. Which of the following is equal to $\frac{14}{5}$?

- A. $1\frac{4}{5}$ B. $10\frac{4}{5}$ C. $2\frac{4}{5}$ D. $3\frac{4}{5}$

Question 4 has two questions (4A and 4B). Answer any one.

4.A. a. Look at the statements given below.

Statement 1 : $\frac{4}{20}$ is another form of $\frac{1}{5}$.

Statement 2 : If both numerator and denominator of $\frac{4}{20}$ are divided by the same number we will get $\frac{1}{5}$.

Which of the following is correct?

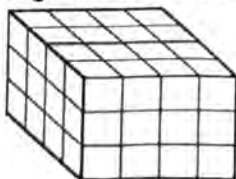
- A. Statement 1 is correct, Statement 2 is incorrect.
 - B. Statement 1 is incorrect, Statement 2 is correct.
 - C. Statements 1 and 2 are correct.
 - D. Statements 1 and 2 are incorrect.
- b. Write two forms of $\frac{1}{2}$ and $\frac{1}{7}$ with the same denominator.
- c. A ribbon having length of 96 centimetres is cut equally into 6 pieces. What is the length of one piece?

OR

4.B. Another form of fractions in column A is given in column B.

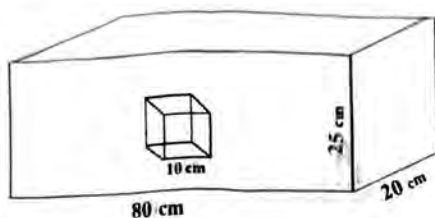
A	B
a. $\frac{5}{7}$	1. $\frac{3}{11}$
b. $\frac{2}{5}$	2. $\frac{10}{14}$
c. $\frac{6}{22}$	3. $\frac{4}{10}$

- a. Which of the following is correctly matched?
- A. a - 2, b - 1, c - 3
 - B. a - 1, b - 2, c - 3
 - C. a - 3, b - 1, c - 2
 - D. a - 2, b - 3, c - 1
- b. Write the simplest form of the fraction.
- (i) $\frac{42}{72}$ (ii) $\frac{18}{81}$
- c. 30 litres of coconut oil is filled in 9 identical bottles. How many litres of coconut oil is there in each bottle? How much coconut oil is there in 3 such bottles?
5. Look at the picture. The large rectangular block is made by stacking cubes of sides 2 centimetres each.
- a. How many small cubes are there in the large rectangular block?
- b. What is the volume of a small cube?
- c. What is the volume of the large rectangular block in cubic centimetres?



- d. The length and width of a tank is 2 metres each. The tank contains 12000 litres of water. What is the height of the tank in metres? (1 cubic metre = 1000 litres)

6.



An aquarium has 80 centimetres length, 20 centimetres width and 25 centimetres height has some water in it. When a cube of side 10 centimetres is immersed in it the aquarium is filled.

- What is the capacity of the aquarium?
- What is the volume of the cube?
- How many litres of water is there in the aquarium?
(1000 cubic centimetres = 1 litre)