

SUMMATIVE ASSESSMENT 2025-26
MODEL QUESTION PAPER
MATHEMATICS

Class : 6

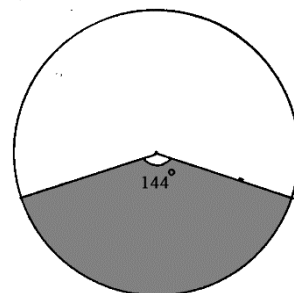
Time : 2 Hrs 15 Minutes

INSTRUCTIONS

- 15 minutes cool off time is allotted for reading and understanding the questions.
- Answer any 6 questions; but in questions of the type **A or B**, you need answer only one of those.
- Question number 3 and 5 have internal choices. Attend any one from the part A or Part B.

1. a. Given here are some statements about the picture.

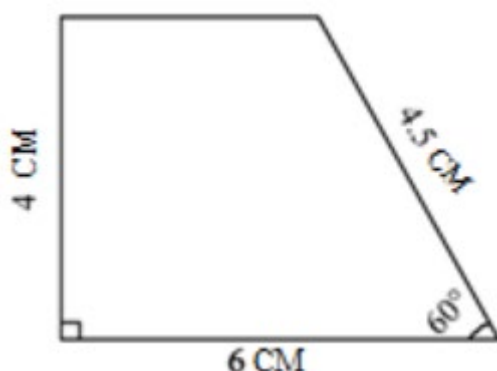
- i. $\frac{2}{5}$ part of the circle is shaded.
- ii. $\frac{1}{3}$ part of the circle is shaded.
- iii. $\frac{2}{10}$ part of the circle is shaded.
- iv. $\frac{4}{10}$ part of the circle is shaded.



Choose the correct statement .?

- A.** i only correct.
- B.** i, and iv are correct.
- C.** i, and ii are correct.
- D.** iv only correct.

b. Draw the figure in given measurements.



2.

- a. What are the measures of the sides of a rectangular block given below whose volume is 48 cubic centimetres?
- A. 4 cm, 3 cm, 3 cm
- B. 6 cm, 4 cm, 2 cm
- C. 6 cm, 4 cm, 3 cm
- D. 4 cm, 4 cm, 4 cm
- b. A rectangular aquarium has inner length 50 cm, breadth 40 cm and height 25 cm. How much water in litres will that aquarium hold?
- c. How many litres of water are needed to fill the aquarium up to a height of 20 centimetres?

The Third question has 2 questions (3 A and 3 B). You only need to answer one of them.

3. A

- a. Look at the statements and reasons given below

Statement : Another form of $\frac{1}{3}$ with 15 as denominator is $\frac{5}{15}$

Reason : If 1 and 3 in $\frac{1}{3}$ is multiplied by 5 we get $\frac{5}{15}$

Choose the correct answer from those given below.

- A. The statement is correct and reason is not correct
- B. Both the statement and reason are not correct
- C. Statement is not correct and the reason is correct
- D. Both the statement and reason are correct
- b. Write two forms of $\frac{1}{3}$ and $\frac{1}{5}$ that have same denominator in different forms.
- c. If 52 kilograms of rice is packed equally in 8 packets, how many kilograms of rice will be in each packet ?

OR

3.B.

a. Another form of the fraction in Column A is given in Column B

| A | B |
|------------------|--------------------|
| a) $\frac{5}{6}$ | 1) $\frac{9}{12}$ |
| b) $\frac{3}{4}$ | 2) $\frac{8}{12}$ |
| c) $\frac{2}{3}$ | 3) $\frac{10}{12}$ |

Which of the following is correct match?

A. a- 3, b-2, c- 1

B. a- 3, b-1, c- 2

C. a- 1, b-2, c- 3

D. a- 3, b-3, c- 2

b. Write the simplest forms of $\frac{45}{54}, \frac{32}{72}$.

c. If 20 litres of coconut oil is filled into 6 identical bottles, how many litres of coconut oil will be in each bottle?

4. A rectangular vessel which is 80 centimetres metre long 20 centimetres wide and 25 centimetres height has water half of it. A cube of side 20 centimetres is immersed in it.

a. Find the capacity of the vessel.

b. What is the volume of the cube?

c. Find the rise in water level in centimeters when the cube is immersed in it.

d. Given below are some of the statements written by Seena regarding the volume.

i. If only the length of a rectangular block is doubled the volume will increases 4 times

ii. If the volume of a rectangular block is to be doubled, the width should increase 4 times without changing the length and height.

- iii. If the volume of a rectangular block is to be 4 times, any of its two measures length, width and height should be doubled.
- iv. If the length, breadth and height of a rectangular block are doubled, the volume increases 8 times.

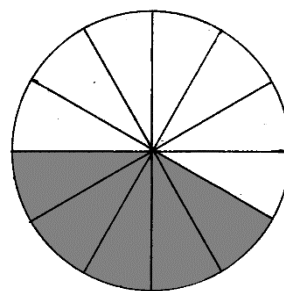
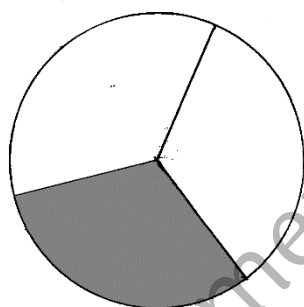
Which of the statements are true?

- A. i and iii correct
- B. iii and iv correct
- C. ii and iii correct
- D. i and ii correct

The fifth question has 2 questions (5 A and 5 B). You only need to answer one of them.

5. A

a.



- b. Which of the following represents the sum of fractions obtained by joining the shaded parts of the given circles?

A. $\frac{1}{3} + \frac{5}{12} = \frac{6}{12}$

B. $\frac{1}{3} + \frac{5}{12} = \frac{9}{12}$

C. $\frac{1}{3} + \frac{5}{12} = \frac{5}{15}$

D. $\frac{1}{3} + \frac{5}{12} = \frac{6}{15}$

- c. There are two bottles of $4\frac{1}{2}$ litre capacity. One of them contains $3\frac{1}{2}$ litres of milk and the second $2\frac{3}{4}$ litres of milk. Milk is poured from one bottle to other

until one bottle is full. How many litres of milk will be in the bottle with less milk?

OR

5.B

a. Which of the following is not equal to 1?

A. $\frac{1}{2} + \frac{1}{4} + \frac{1}{4}$

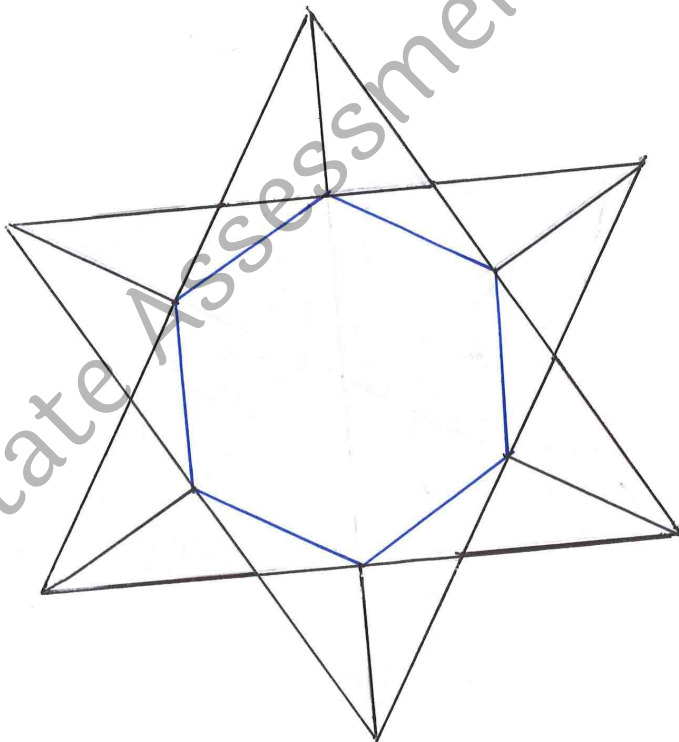
B. $\frac{1}{2} + \frac{1}{3} + \frac{1}{6}$

C. $\frac{3}{4} + \frac{1}{8} + \frac{1}{8}$

D. $\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$

b. Akhil's house has cattle rearing. One day, they got $6\frac{1}{2}$ litre of milk in the morning and $5\frac{3}{4}$ litres of milk in the evening. On that day they gave $10\frac{1}{2}$ litre of milk to the Society. Remaining milk was used for household needs. How many litres of milk were taken for household needs ?

6. a. Draw the pattern given below and shade it.



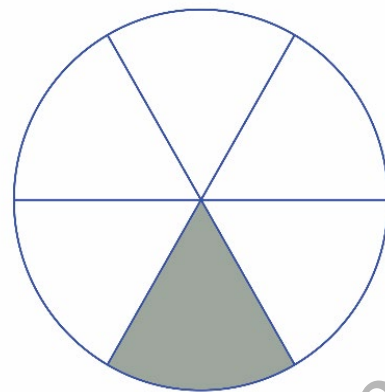
b. $\frac{1}{6}$ part of the circle is shaded. Which of the following is the angle measure of the shaded part?

A. 360×6

B. $360 \div 6$

C. $180 \div 6$

D. $90 \div 3$



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