

हों डि. रसना शिक्ष के रल Samagra Shiksha KeraliSAMAGRA SHIKSHA KERALA एक एक एक क्षेत्रका हे के लहे. SUMMATIVE ASSESSMENT II 2025-2026



Mathematics

Standard: 7

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.
- Questions 1 and 6 have two parts (A & B). Attempt any one of them. (1A or 1B and 6A or 6B).

Question 1 has two parts (1A and 1B). Answer any one.

1.A.

A rectangle was made using a string of 60 cm long. The ratio of its width and height is 3:2.

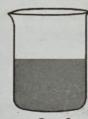
- a. What is the width and height in centimetres?
- b. What part of the width is its height?
- c. If the ratio of the width and height of the rectangle having the same perimeter is 2:1, what is its height?
- d. If the width of a rectangle is $\frac{1}{2}$ metre and height is $\frac{1}{3}$ metre, which of the following statement is correct about the ratio of its width and height?
 - A. Ratio of width and height is 3:2.
 - B. Width and height are in the ratio 2:3.
 - C. Ratio of width and height is 3:1.
 - D. Width and height are in the ratio 2:1.

OR

1.B. a.



Jar 1



Jar 2

Jar 1 contains $\frac{3}{4}$ part of water and Jar 2 contains half part of water in it. What is the ratio of the quantity of water in Jar 1 and Jar 2?

See, some numbers, which are the powers of 2.

- b. Write the factors of each number.
- c. Find the number of factors of each number.
- d. What is the relation between the number and the sum of factors excluding the number?
- 5. a. Some algebraic expressions given in column I have equal expressions in column II.

1		11	
1,	(x-y)+z	i	x-(y+z)
2	(x-y)-z	ii	x + (y + z)
3	(x+y)-z	iii	x-(y-z)
		iv	x + (y - z)

Find the correct match.

- A. $1\rightarrow ii$, $2\rightarrow iii$, $3\rightarrow i$
- B. 1→iv 2→ii 3→iii
- C. $1\rightarrow iii$ $2\rightarrow i$ $3\rightarrow iv$
- D. $1 \rightarrow i$ $2 \rightarrow iv$ $3 \rightarrow ii$
- b. Write the statement given below using shorthand.

"Sum of 10 times a number and 4 times the same number is 14 times the same number."

- c. Do the following calculations mentally. Write the method used for calculation. (410-6.5)-3.5
- d. Write (x + y) x = y in ordinary language.
- e. Is 10 (4 2) and (10 4) 2 the same. Write the steps of calculation.

Question 6 has two parts (6A and 6B). Answer any one.

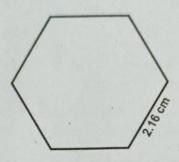
6.A. a. Leena sold 3.5 litres of milk a day. She got 51.50 rupees for one litre of milk. How much rupees did Leena get from selling the milk that day?

- On another day Leena got Rs.256.25 from selling 5 litres of milk. How much rupees did she get for one litre of milk that day?
- Which of the following is equal to 0.45×1.45?

 - B. $\frac{45}{100} \times \frac{145}{10}$
 - C. $\frac{45}{100} \times \frac{145}{100}$

OR

6.B.



- One side of a hexagon is 2.16 centimetres. What is its perimeter? a.
- The length of a rectangle is 6.5 centimetres and breadth 4.5 centimetres. b. What is its area?
- Which of the following is equal to 2.16×1.6 ? C.
 - A) 2.16×16 B) 0.216×16 C) 2.16×0.16 D) 216×0.6
- What is the length of one side of a square with perimeter 16.4 centimetres? d.