

SAMAGRA SHIKSHA KERALA
SUMMATIVE ASSESSMENT I 2025-2026

Standard - VI

Mathematics

Time : 2 Hrs 15 minutes

ANSWER KEY

1.

- a. $\frac{1}{9}$
- b. $70^\circ, 70^\circ$
- c. Infinitely many
- d. C

2.

- a. 315000 cubic centimetres (or 315 litres)
- b. 30 centimetres
- c. D

3A.

- a. 3
- b. 3
- c. $\frac{7}{4}$ metres (or 1.75 metres)
- d. B

3B.

- a. $\frac{5}{15}$ and $\frac{3}{15}$ (other common denominators also acceptable, e.g., $\frac{10}{30}$ and $\frac{6}{30}$)
- b. No, because $\frac{21}{27}$ simplifies to $\frac{7}{9}$, which is not equal to $\frac{2}{3}$
- c. B

4A.

a. $15/16 + 1/32 = 31/32$

$31/32 + 1/64 = 63/64$

b. $25/4$ litres (or $6 \frac{1}{4}$ litres)

c. A

4B.

a. $5/6$ litres

b. $5/3$ litres

c. $15/6$ litres (or $2 \frac{1}{2}$ litres)

d. C

5.

a. Draw the given pattern (star-like figure inscribed in a circle) and shade it in any beautiful manner (e.g., alternate segments shaded).

b. C

6.

a. 1 centimetre

b. 25 metres

c. A