

ANSWER SHEET

1. Answers:

- a) $n(\overline{A \cap B})$
- b) 140
- c) 595
- d) $\frac{600}{7}\%$

2. Answers:

- a) Rs 467812.5
- b) Rs 92812.5
- c) 30.303% more

3. Answers:

- a) $P_T = P(1+R\%)^T$
- b) 5%
- c) 74298

4. Answers

- a) \$2000
- b) Buying Rate = Rs 144.1
Selling Rate = Rs 145.2
- c) Rs 288200
- d) 9.1667% profit

5. Answers:

- a) 6m
- b) 779.64cm^2
- c) Volume > TSA by 1643.64

6. Answers:

- a) 14m
- b) 11909.33 m^3
- c) Rs 5954666.5

7. Answers:

- a) Radius = $\sqrt{l^2 - h^2}$
- b) 1003.94 cm^2
- c) 44 cm (approx.)

8. Answers:

- a) 3
- b) $a = 3-11d$
- c) $S_{23} = 69$

9. Answers:

- a) $10x+y$
- b) 64 and 46
- c) 33.333% less

10. Answers:

- a) $\frac{48}{(x^2-1)(x^2-9)}$
- b) $x = 2, -3$

11. Show to your teacher

12. Answers

- a) Show to your teacher
- b) Show to your teacher
- c) $x = 40^\circ$

13. Show to your teacher

14. Answers

- a) Show to your teacher
- b) $40\sqrt{3}m$
- c) 80m

15. Answers:

- a) 30-40
- b) Mean = 33.26
- c) Mode = 35
- d) Yes, they do

16. Answers

- a) Show to your teacher
- b) $\frac{27}{38}$
- c) Show to your teacher
- d) 52.778% more

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