

Math Test – 1

1. $\left(\frac{3}{2}\right)^{-2}$
2. $X = \{0, 1, 2, 3, 4, 5, 6, 7\}$
3. $-\frac{11}{7}$
4. 200L
5. $-\frac{25}{24}a^4b^4c^4$
6. C
7. 2^{24}
8. $Z = \{1, 2, 3, 5, 6, 7, 8, 9, 10\}$
9. $15m + 9$
10. 1
11. $-\frac{13}{6}a^3b^3$
12. $x = \{-2, -1\}$
13. $5^6 \times x^6$
14. $X = \{6, 7, 8, 9, 10, \dots, 27\}$
15. Rs. 640
16. $4(x^2 + y^2 + 2xy)$
17. $x = \{-1, 0, 1, 2, 3, 4, 5, 6\}$
18. $3x^6 - 12x^5 + 19x^4 + 2x^3 - 27x^2 - 2x + 20$
19. 6.51×10^6
20. 33

Math Test – 2

1. 7
2. 10
3. $\{b, c\}$
4. $\{a, b, c, d, e, f, g, h, i, j, k, l, m, n\}$
5. $\{40, 60\}$
6. 5
7. 13.32
8. 39.55
9. Rs. 165
10. 46,491.07
11. Rs 880 and Rs 1200
12. Rs 2,295
13. Rs 1348.32
14. Rs 190.625
15. Rs. 205
16. $\frac{1}{3}$ yrs
17. RS 700
18. 5cm
19. $4,224 \text{ cm}^3$ and $1,152 \text{ cm}^3$
20. $h = 27 \text{ cm}$ and volume of cylinder = 5430.85 cm^3