Solutions(Maths 10th)

1. B	2. A	3. B	4. C
5. D	6. A	7.B	8.A

Q.9 30˚

Q.10 $\frac{1}{3}$

Q.11 x= $\frac{-b}{a}$ and x= $\frac{c}{b}$

Q.12 the next two terms are $\sqrt{32}$, $\sqrt{50}$

Q.13 Correct Prove

Q.14 264 cm^2

Q.15 Volume of the cone = $\frac{1}{3}\pi r^2 h$ = 19.404

Q.16 x = -2 or 6

Q.17 Correct prove

Q.18 P (Getting a total of 10) = $\frac{3}{36}$ = $\frac{1}{12}$

OR

Total no. of balls = 9

(i) P (Not white) = $\frac{5}{9}$ (ii) P (green) = $\frac{2}{9}$

Q.19 the required values of K and P are 3 and $\pm 2\sqrt{3}$ respectively.

OR

x = 4 or x = 15

Q.20 term = 76

Q.21 Correct prove

Q.22 Correct Construct as per the given information

Q.23 Area of shaded region = 77cm^2

Q.24 Volume of remaining solid = 2025.33

OR

7592.52cm^2

Q.25 = $58\sqrt{3}$ m

Q.26 $\sqrt{65}$ units

Q.27 K = $\frac{2}{3}$

Q.28 (i) P (a king of red color)= $\frac{1}{26}$ (ii) P (a face card)= $\frac{3}{13}$ (iii) P (a ten) = $\frac{1}{13}$

Q.29 the original number of persons are 50.

OR

length 10m, bread(h) = 10m.

Q.30 Total number of seats in the theatre is 3540.

Q.31 Correct fig, given, to Prove and const. Correct proof

Q.32 h = 28 cm.

OR

h = 78 $\frac{3}{4}$ cm

Q.33 Rs 83600

Q.34 Height of the building =AB + BC ,   6 + 12 =18m The distance between the tower and building = 6m.