



5. The HCF and the LCM of 12, 21, 15 respectively are
(a) 3, 140 (b) 12, 420 (c) 3, 420 (d) 420, 3
6. The value of x for which $2x, (x+10)$ and $(3x+2)$ are the three consecutive terms of an AP, is
(a) 6 (b) -6 (c) 18 (d) -18
7. The first term of an AP is p and the common difference is q , then its 10^{th} term is
(a) $q+9p$ (b) $p-9q$ (c) $p+9q$ (d) $2p+9q$
8. The distance between the points $(a \cos \theta + b \sin \theta, 0)$ and $(0, a \sin \theta - b \cos \theta)$, is
(a) $a^2 + b^2$ (b) $a^2 - b^2$ (c) $\sqrt{a^2 + b^2}$ (d) $\sqrt{a^2 - b^2}$
9. If the point $P(k, 0)$ divides the line segment joining the points $A(2, -2)$ and $B(-7, 4)$ in the ratio 1 : 2, then the value of k is
(a) 1 (b) 2 (c) -2 (d) -1

26. Find the mean of the following distribution :

Class :	3-5	5-7	7-9	9-11	11-13
Frequency :	5	10	10	7	8

Or

Find the mode of the following data :

Class :	0-20	20-40	40-60	60-80	80-100	100-120	120-140
Frequency	6	8	10	12	6	5	3