

1. 30% of $150 + ?$ of $300 = 40\%$ of 450 (2012)

- (a) 65 (b) 35
(c) 45 (d) 125

Ans. (c)

2. The difference between 31% and 12% of a number is 570 . Find 17% of the same number (2012)

- (a) 640 (b) 888
(c) 510 (d) 442

Ans. (c)

3. If the selling price of 10 pens is same as cost price of 8 pens, then loss % is (2012)

- (a) 15% (b) 20%
(c) 8% (d) 30%

Ans. (b)

4. In a mixture of 75 litres, the ratio of milk of water is $2 : 1$. The amount of water to be further added to the mixture so as to wake the ratio of milk to water $1 : 2$ will be (2012)

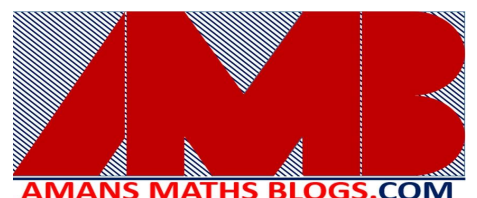
- (a) 60 its (b) 45 its
(c) 75 its (d) 30 its

Ans. (c)

5. The sum of the three consecutive odd numbers is 285 . The smallest number is (2012)

- (a) 95 (b) 97
(c) 93 (d) 99

Ans. (c)



6. A sum of money doubles in 7 years of simple interest it will become four fold in
- (a) 10 years (b) 35 years (2012)
(c) 21 years (d) 14 years

Ans. (c)

7. By traveling at $\frac{4}{5}$ th of his usual speed a person is late by 20 minutes. Initial time to cover the distance was (2012)
- (a) 80 minutes (b) 65 minutes
(c) 45 minutes (d) 50 minutes.

Ans. (a)

8. A tap can fill an empty tank in 12 hours and a leakage can empty the whole tank in 20 hours. If the tap and the leakage are working simultaneously the whole tank to fill will take: (2012)
- (a) 25 hrs (b) 40 hrs
(c) 30 hrs (d) 35 hrs

Ans. (c)

9. Autorikshaw fare in a city is Rs. 20 for first two kilometers and Rs. 6 / km for subsequent distances covered. Taking the distance covered as x km and total fare as Rs. Y, the linear equation which expresses the above statement is (2013)
- (a) $y = 6x + 8$ (b) $y = 6x - 8$
(c) $y = 20 + 6x$ (d) $y = 6x + 28$

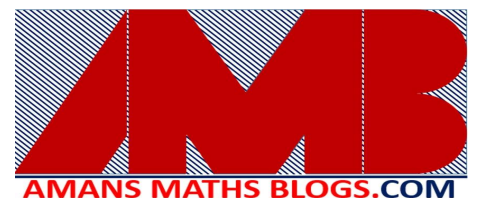
Ans. (c)

10. If an angle is 24° more than half of its complement then the angle is (2013)
- (a) 14° (b) 38°
(c) 46° (d) 76°

Ans. (c)

11. A train of lengths 240 m crosses a platform in 20 seconds. If the speed of the train is 72 km / hr. then the length of the platform is (2014)
- (a) 260 m (b) 160 m
(c) 180 m (d) 240 m

Ans. (b)



12. If $\frac{5x+8y}{6x-7y} = \frac{5}{9}$, then the value of x/y (2015)

- (a) $5/3$ (b) $3/5$
(c) $-5/3$ (d) $-3/5$

Ans. (a)

13. If $x = \frac{3m-4}{5}$, $y = \frac{m-7}{3}$ and $x+y = 13/3$, then the value of m is (2015)

- (a) 6 (b) 8
(c) -8 (d) -4

Ans. (b)

14. Travelling at $4/5^{\text{th}}$ of his usual speed, man is 15 minutes late. His usual time to cover the same distance is (2015)

- (a) 45 minutes (b) 60 minutes
(c) 75 minutes (d) 90 minutes

Ans. (c)

15. The equations $\frac{1}{x} + \frac{1}{y} = 15$ and $\frac{1}{x} - \frac{1}{y} = 5$ are such that $ax = 1$ and $by = 1$. The value of a and b respectively are (2015)

- (a) 10, 5 (b) 10, -5
(c) -5, 10 (d) 5, 10

Ans. (a)