

What will come in place of Question mark (?) in the following questions?

1. $[(165)^2 \div 75 \times 12] \div 36 = (?)^2$
a) 13 b) 169 c) 21 d) 11 e) 22
2. $\sqrt{\left(4\frac{1}{4} \div 2\frac{1}{8}\right) \times 2\frac{1}{2}} = ?$
a) $\sqrt{5}$ b) $\sqrt{3}$ c) 2 d) $\sqrt{10}$ e) $\sqrt{15}$
3. ?% of 762 + 44% of 568 = 524.24
a) 24 b) 36 c) 48 d) 60 e) 85

In each of these questions, two equations are given. You have to solve these equations and find out the values of X and Y and give answer

4. I. $x^2 - 8x + 15 = 0$ II. $Y^2 - 7y + 10 = 0$
a) if $x < y$ b) if $x \leq y$ c) $x > y$ d) $x \geq y$ e) if $x = y$ or CND
5. I. $7x - 5y = 20$ II. $5x - 3y = 15$
a) if $x < y$ b) if $x \leq y$ c) $x > y$ d) $x \geq y$ e) if $x = y$ or CND
6. I. $5x^2 + 21x + 18 = 0$ II. $3y^2 - 19y + 16 = 0$
a) if $x < y$ b) if $x \leq y$ c) $x > y$ d) $x \geq y$ e) if $x = y$ or CND

In the following number series one number is wrong. Find out the wrong number.

7. 2 4 11 37 153 891
a) 37 b) 153 c) 2 d) 891 e) 11
8. 11 11 22 64 264 1320
a) 11 b) 64 c) 264 d) 1320 e) 22
9. 270 140 150 240 550 1275
a) 550 b) 270 c) 150 d) 1275 e) 140

10. The ratio of the age of A to that of B two years ago was 7: 5. The sum of the present ages of A, B and C is 60 years. If the present age of C is equal to sum of the present ages of A and B, find the present age of A. (in years)
a) 17 b) 49/3 c) 22 d) 51 e) None
11. The ratio of the speed of boat in still water to the speed of the stream is 6 : 1 . It takes 2 hours by a boat to cover 49 km downstream and 35 km upstream. Find the downstream speed of the boat. (in km/hr.)
a) 37 b) 49 c)22 d)51 e)42
12. The length and breadth of a rectangle are in the ratio 2 : 5. If the perimeter is 70 cm, find the area of the rectangle. (in sq cm)
a) 137 b) 250 c) 222 d) 251 e) 142
13. A can do a work in 32 days while B can do the same in 44 days. If A work for 'x' days while B works for 'x + 2' days then one – fourth of the work is complete. Find the value of x.
A) 62/19 b) 45/17 c) 72/19 d) 10 e) None

