

## Arithmetic Previously Asked Questions

**Q1. A and B together can do a work in 8 days, B and C together in 6 days, while C and A together in 10 days. If they all work together, the work will be completed in**

- (a)  $3\frac{3}{4}$  days
- (b)  $3\frac{3}{7}$  days
- (c)  $5\frac{5}{47}$  days
- (d)  $4\frac{4}{9}$  days

**Q2. A is twice efficient than B; and together they finish a work in 16 days. In how many days can it be done by A separately?**

- (a) 24 days
- (b) 22 days
- (c) 23 days
- (d) 25 days

**Q3. A and B together can complete a work in 8 days and B and C together in 12 days. All of them together can complete the work in 6 days. In how much time will A and C together complete the half the work?**

- (a) 4 days
- (b) 10 days
- (c) 2 days

(d) 8 days

**Q4. A builder decided to build a house in 40 days. He employed 100 men in the beginning and 100 more after 35 days and completed the construction in stipulated time. If he had not employed the additional men, how many days behind schedule would it have been finished?**

(a) 5 days

(b) 6 days

(c) 8 days

(d) 10 days

**Q5. 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work?**

(a) 5

(b) 7

(c) 3

(d) 4

**Q6. In an examination, the number of those who passed and the number of those who failed were in the ratio 25 : 4. If five more had appeared and the number of failures was 2 less than earlier, the ratio of passers to failures would have been 22 : 3. The number who appeared at the examination, is**

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(a) 145

(b) 150

(c) 155

(d) 180

**Q7. The ratio of A to B is 4 : 5 and that of B to C is 2 : 3. If A equals 800, C equals**

(a) 1000

(b) 1200

(c) 1500

(d) 2000

**Q8. Ratio of earning of A and B is 8 : 9 respectively. If the earnings of A increase by 50% and the earnings of B decrease by 25%, the new ratio of their earnings becomes 16 : 9 respectively. What are A's earnings?**

(a) Rs. 37,000

(b) Rs. 28,500

(c) Rs. 22,000

(d) Can't be determined

**Q9. A and B entered into a partnership, investing Rs. 16,000 and Rs. 12,000 respectively. After 3 months, 'A' withdrew Rs. 5000, while 'B' invested Rs. 5000 more. After 3 months more, C joins the business with a capital of Rs. 21,000. After a year, they obtained a profit of Rs. 26,400. By what amount does the profit of B exceed the share of C?**

(a) Rs. 3600

(b) Rs. 3800

(c) Rs. 4600

(d) Rs. 4800

**Q10. A, B and C start a business by investing Rs. 20,000 each. After 5 months A withdraws Rs. 5,000, B withdraws Rs. 4,000 and C invests Rs. 6,000 more. If at the end of year the profit was Rs. 69,900 then what will be B's share?**

- (a) Rs. 20,500
- (b) Rs. 21,200
- (c) Rs. 28,200
- (d) Rs. 19,621

**Q11. On what sum will the difference between the simple and compound interest for 3 years at 5 percent per annum amount to Rs. 24.40?**

- (a) 3300
- (b) 3587
- (c) 3200
- (d) 2800

**Q12. If 6 years are subtracted from the present age of Randheer and the remainder is divided by 18, then the present age of his grandson Anup is obtained. If Anup is 2 years younger to Mahesh whose age is 5 years, then what is the age of Randheer?**

- (a) 96 years
- (b) 84 years
- (c) 48 years
- (d) 60 years

**Q13. At what rate percent on the compound interest, does a sum of money become four fold in 2 year?**

- (a) 125
- (b) 200
- (c) 100
- (d) 110

**Q14. If 2 kg of metal, of which  $\frac{1}{3}$  is zinc and the rest is copper, be mixed with 3 kg of metal, of which  $\frac{1}{4}$  zinc and the rest is copper, what is the ratio of zinc to copper in the mixture?**

- (a) 13 : 42
- (b) 17 : 43
- (c) 19 : 43
- (d) 15 : 42

**Q15. A man has 60 pens. He sells some of these at a profit of 12% and the rest at 8% loss. On the whole, he gets a profit of 11%. How many pens were sold at 12% profit.**

- (a) 47
- (b) 52
- (c) 55
- (d) 57