

① The areas of 2 spheres are in the ratio of 1:4. Determine the ratio of their volumes.

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- (A) 1:3 (B) 8:1 (C) 3:1 (D) 1:8

② If 40% of a number is equal to two-third of another number, what is the ratio of 1st number to the 2nd no.

- (A) 2:5 (B) 3:7 (C) 5:2 (D) 7:3

③ The fourth proportional to 5, 8, 15 is — ?

- (A) 18 (B) 24 (C) 19 (D) 20

④ Two numbers are in the ratio 3:5. If 9 is subtracted from each, the new numbers are in the ratio 12:23. The smaller number is — ?

- (A) 27 (B) 33 (C) 49 (D) 55

⑤ How much simple interest will Rs 2000 earn in 18 months at 6% per annum?

- (A) 120/- (B) 180/- (C) 216/- (D) 240/-

⑥ $(9\% \text{ of } 386) \times (6.5\% \text{ of } 144) = ?$

- (A) 328.0065 (B) 333.33 (C) 325.1664

(D) 340.1664

⑦ Find the gain or loss per cent when a table costing Rs. 150 was sold for Rs. 180.

- (A) 30% gain (B) 20% loss (C) 20% loss (D) 15% loss

(C) 20% Loss (D) 15% Loss

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Q A and B together can complete a piece of work in 35 days while A alone can complete it in 60 days B alone can complete the work in — days -

- (A) 42 d (B) 72 d (C) 96 d (D) 84 d