

OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

- A ratio equivalent to 2 : 3 is
(a) 4 : 3 (b) 2 : 6 (c) 6 : 9 (d) 10 : 9
- The angles of a triangle are in the ratio 1 : 2 : 3. The measure of the largest angle is
(a) 30° (b) 60° (c) 90° (d) 120°
- The sides of a triangle are in the ratio 2 : 3 : 5. If its perimeter is 100 cm, the length of its smallest side is
(a) 2 cm (b) 20 cm (c) 3 cm (d) 5 cm
- Two numbers are in the ratio 7 : 9. If the sum of the numbers is 112, then the larger number is
(a) 63 (b) 42 (c) 49 (d) 72
- The ratio 384 : 480 in its simplest form is
(a) 3 : 5 (b) 5 : 4 (c) 4 : 5 (d) 2 : 5
- If A, B, C, divide Rs. 1200 in the ratio 2 : 3 : 5, then B's share is
(a) Rs 240 (b) Rs 600 (c) Rs 380 (d) Rs 360
- If a bus travels 126 km in 3 hours and a train travels 315 km in 5 hours, then the ratio of their speeds is
(a) 2 : 5 (b) 2 : 3 (c) 5 : 2 (d) 25 : 6
- The ratio of male and female employees in a multinational company is 5 : 3. If there are 115 male employees in the company, then the number of female employees is
(a) 96 (b) 52 (c) 69 (d) 66
- Length and width of a field are in the ratio 5 : 3. If the width of the field is 42 m, then its length is
(a) 50 m (b) 70 m (c) 80 m (d) 100 m
- If $57 : x = 51 : 85$, then the value of x is
(a) 95 (b) 76 (c) 114 (d) None of these
- The ratio of boys and girls in a school is 12 : 5. If there are 840 girls in the school, then the number of boys is
(a) 1190 (b) 2380 (c) 2856 (d) 2142
- If 4, a , a , 36 are in proportion, then $a =$
(a) 24 (b) 12 (c) 3 (d) 24
- If $5 : 4 :: 30 : x$, then the value of x is
(a) 24 (b) 12 (c) $\frac{3}{2}$ (d) 6
- If a, b, c, d are in proportion, then
(a) $ab = cd$ (b) $ac = bd$ (c) $ad = bc$ (d) None of these
- If a, b, c , are in proportion, then
(a) $a^2 = bc$ (b) $b^2 = ac$ (c) $c^2 = ab$ (d) None of these
- If the cost of 5 bars of a soap is Rs. 30, then the cost of one dozen bars is
(a) Rs 60 (b) Rs 120 (c) Rs 72 (d) Rs 140
- 12 men can finish a piece of work in 25 days. The number of days in which the same piece of work can be done by 20 men, is
(a) 10 days (b) 12 days (c) 15 days (d) 14 days
- If the cost of 25 packets of 12 pencils each is Rs 750, then the cost of 30 packets of 8 pencils each is
(a) Rs 600 (b) Rs 720 (c) Rs 640 (d) None of these
- If a, b, c are in proportion, then
(a) $a : b :: b : c$ (b) $a : b :: c : a$ (c) $a : b :: c : b$ (d) $a : c :: b : c$
- The first, second and fourth terms of a proportion are 16, 24 and 54 respectively. The third term is
(a) 32 (b) 48 (c) 28 (d) 36

ANSWERS

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| 1. (c) | 2. (c) | 3. (b) | 4. (a) | 5. (c) | 6. (d) | 7. (b) |
| 8. (c) | 9. (b) | 10. (a) | 11. (c) | 12. (b) | 13. (a) | 14. (c) |
| 15. (b) | 16. (c) | 17. (c) | 18. (a) | 19. (a) | 20. (d) | |