Comparing Quantities: Worksheet -7

1. What least number must be subtracted from each of the numbers 14, 17, 34 and 42 so that the remainders may be proportional? [ ]

[A] 0 [B] 1 [C] 2 [D] 7

2. If (3a – 4b) : (3a – 4b) = (3c + 8d) : (3c – 8d), then which of the following is true [ ]

[A] ad = bc [B] 2ab = bc [C] 2ab = cd [D] ab = cd

3. Twenty man can lay a road of 50 km long in 10 days. In how many days can 15 men lay a road of 75 km long? [ ]

[A] 10 days [B] 20 days [C] 30 days [D] 40 days

4. For 20 students, the mess bill for 12 days is Rs 7000. in how many days will the mess charges be Rs 4900 for 8 students? [ ]

[A] 20 days [B] 21 days [C] 22 days [D] 23 days

5. If p = $\frac{8ab}{a+\mathbf{b}}$, then find the value of $\left[\frac{p+4a}{p-4a}+\frac{p+4b}{p-4b}\right]$. [ ]

[A] 4 [B] 2 [C] 1 [D] 3

6. If S.P. = Rs 750, discount = 25%, then M.P. is [ ]

[A] Rs 800 [B] Rs 900 [C] Rs 1000 [D] Rs 1100

7. The marked price of a bicycle is Rs 1728. by selling it at a discount of 25%, the loss is 20% .the cost price of the bicycle is [ ]

[A] Rs 1800 [B] Rs 1764 [C] Rs 1620 [D] Rs 1656

8. The cost price of a shit is Rs. 900. when it is sold at a discount10%. A loss of 5% is incurred. Find the marked price of the shirt. [ ]

[A] Rs 950 [B] Rs 1050 [C] Rs 930 [D] Rs 1020

9. The single discount that is equivalent to two successive discounts of 12% is [ ]

[A] $29\ \frac{2}{9}\ \%$ [B] $70\frac{2}{5}\%$ [C] $22\ \frac{14}{25}\%$ [D] $70\ \frac{3}{5}\%$

10. Find the single discount equivalent to the successive discount of 25%, 12% and 5%. [ ]

[A] 31.4 % [B] 35.1% [C] 37.3 % [D] 40 %