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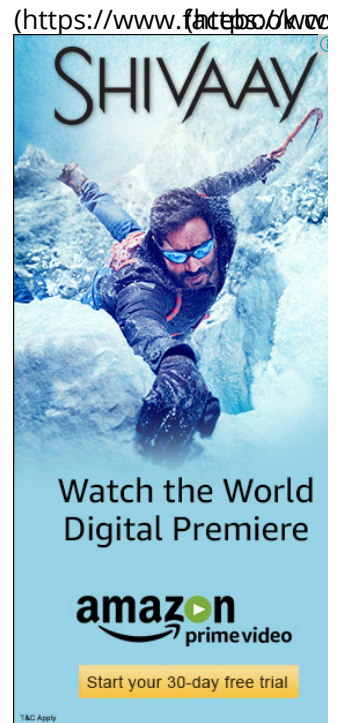


## Profit & Loss And Ratio & Proportion 02

01. Instead of a metre scale, a cloth merchant uses a 120 cm scale while buying, but uses an 80 cm scale while selling the same cloth. If he offers a discount of 20% on cash payment, what is his overall profit percentage?  
(a) 20% (b) 25% (c) 40% (d) 15%
02. I sold two watches for Rs 300 each, one at the loss of 10% and the other at the profit of 10%. What is the percentage of loss(-) or profit(+) that resulted from transaction?  
(a) (+)10 (b) (-)1 (c) (+)1 (d) (-)10
03. The cost of diamond varies directly as the square of its weight. Once, this diamond broke into four pieces with weights in the ratio 1 : 2 : 3 : 4. When the pieces were sold, the merchant got Rs 70,000 less. Find the original price of the diamond?  
(a) Rs 1.4 lakh (b) Rs. 2 lakh (c) Rs 1 lakh (d) Rs 2.1 lakh
04. A dealer offers a cash discount of 20% and still makes a profit of 20%, when he further allows 16 articles to a dozen to a particular sticky bargainer. How much percent above the cost price were his wares listed?  
(a) 100% (b) 80% (c) 75% (d) 66.66%
05. A man buys spirit at Rs 60 per litre, adds water to it and then sells at Rs 75 per litre. What is the ratio of spirit to water if his profit in the deal is 37.5%?  
(a) 9 : 1 (b) 10 : 1 (c) 11 : 1 (d) None of these
06. Two oranges, three bananas and four apples cost Rs 15. Three oranges, two bananas and one apple cost Rs 10. I bought 3 oranges, 3 bananas and 3 apples. How much did I pay?  
(a) Rs 10 (b) Rs 8 (c) Rs 15 (d) Cannot be det..
07. From each of two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers ?  
(a) 2:1 (b) 3:1 (c) 3:2 (d) None of these
08. The marked price of a table is Rs. 1200, which is 20% above the cost price. It is sold at a discount of 10% on the marked price. Find the profit percent.  
(a) 10% (b) 8% (c) 7.5% (d) 6%

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09. If the work done by  $(x-1)$  men in  $(x+1)$  days is to the work done by  $(x+2)$  men in  $(x-1)$  days is in the ratio 9:10, then the value of  $x$  is ?
- (a) 10 (b) 12 (c) 8 (d) 15

10. A cask contains a mixture of 49 litres of wine and water in the proportion 5:2. How much water must be added to it so that the ratio of wine to water may be 7:4 ?
- (a) 3.5 (b) 6 (c) 7 (d) None of these

#### Answers

- |    |   |     |   |
|----|---|-----|---|
| 1. | A | 2.  | B |
| 3. | C | 4.  | A |
| 5. | B | 6.  | C |
| 7. | A | 8.  | B |
| 9. | C | 10. | B |


Detailed Solution (<http://www.elitmuszone.com/elitmus/profit-loss-and-ratio-proportion-solution-02/>)


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