Ratio and Proportion

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|--|---|---|---|-----------|-------------------|--------------------|-----------------|
| and water. The | e ratio of milk t | to water in vess | milk and water a sel A is 3:2 and B and added to | the ratio | o of milk to wa | ater in the vesse | el B is 7:3, if |
| a. 21.4 | b. 19.8 | c. 17.6 | d. 20.4 | | | | |
| 2. The sum of numbers respectively. | | ecutive odd nur | mbers is 285. W | hat is th | ne ratio of the s | mallest and lar | gest |
| a. 97:95 | b. 93:9 | o. 95:9 | 93 | d. 93:9 | 7 | | |
| | | | of one- rupee, two ation, what is the d. 236 | - | · • | - | if there are |
| | - | | ice the number (in years) of the d. 400 | _ | | | s and girls in |
| | | | nly. If the numb 0, what is the to d. 145 | | | | of Rs. 10 |
| 6. The sum of The second nua. 66 | | c. 62 | tio of the second | d to the | third is 9:6 and | d the first to the | e third is 1:4. |
| Out of the total respectively a girls studying 7. How many | al 390 students nd the number arts are in the r boys are study | studying in a coof students students students ratio of 4:5 resping science? | he following in ollege of arts ard sying arts and spectively. | nd scien | ce, boys and g | | |
| a. 155 | b. 156 | c. 138 | a . 159 | | | | |
| | reased by 30% | | nools A,B and Crespectively, w | | | | |
| a. 14:15:20 | b. 13:15:20 | c. 13:14:15 | d. 15:17:19 | | | | |
| 9. If A:B = 1 : a. 15:45:63:49 | 3, B:C=5: 7, C b. 15:4 | :D= 9 : 7, then 19:45:63 | A:B:C:D= ? c. 45:15:63:49 |) | d. 49:15:43:6 | 3 | |
| | of making an arrecost Rs. 234, th | | between materi ost is: d. Rs. 390 | als, labo | our and overhe | ads in the ratio | of 3:4:1. If |
| • | | | I them among 4 nimum number (d) 149 | | | | If he gave |
| spends Rs 200 | e of A and B ar 00 and B saves (b) Rs. 1000 | Rs. 700, then A | 3. The expense saves d) Rs. 250 | s of A, l | B and C are in | the ratio 5: 5: | 2. If C |

| 13.An alloy contains copper, zinc and nickel in the ratio 5:3:2. The quantity of nickel in kg that must be added to 100 kg of this alloy to have the new ratio 5:3:3, is (a) 8 (b) 10 (c) 12 (d)15 |
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| 14.A certain number is divided into two parts such that 5 times of the first part added to 11 time of the second part makes 7 time of the whole. The ratio of the first part to second part is: (a) 2:1 (b) 5:11 (c) 7:5 (d) 2:3 |
| 15. Ratio of numerator and denominator of a fraction is 2 : 3. If 6 is subtracted from numerator than result is 2/3 rd of the original fraction. Find the numerator of original fraction. (a) 6 (b) 18 (c) 27 (d) 26 |
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