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| **PSE ASSIGNMENT 3** |
| 1. Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is: |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 2 : 5 | [**B.**](javascript:%20void%200;) | 3 : 5 | | [**C.**](javascript:%20void%200;) | 4 : 5 | [**D.**](javascript:%20void%200;) | 6 : 7 | |
| 2. A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 500 | [**B.**](javascript:%20void%200;) | Rs. 1500 | | [**C.**](javascript:%20void%200;) | Rs. 2000 | [**D.**](javascript:%20void%200;) | None of these | |
| 3. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 2 : 3 : 4 | [**B.**](javascript:%20void%200;) | 6 : 7 : 8 | | [**C.**](javascript:%20void%200;) | 6 : 8 : 9 | [**D.**](javascript:%20void%200;) | None of these | |
| 4. In a mixture 60 litres, the ratio of milk and water 2 : 1. If the this ratio is to be 1 : 2, then the quanity of water to be further added is: |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 20 litres | [**B.**](javascript:%20void%200;) | 30 litres | | [**C.**](javascript:%20void%200;) | 40 litres | [**D.**](javascript:%20void%200;) | 60 litres | |
| 5. The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 8 : 9 | [**B.**](javascript:%20void%200;) | 17 : 18 | | [**C.**](javascript:%20void%200;) | 21 : 22 | [**D.**](javascript:%20void%200;) | Cannot be determined | |
| 6. Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 17,000 | [**B.**](javascript:%20void%200;) | Rs. 20,000 | | [**C.**](javascript:%20void%200;) | Rs. 25,500 | [**D.**](javascript:%20void%200;) | Rs. 38,000 | |
| 7. If 0.75 : *x* :: 5 : 8, then *x* is equal to: |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 1.12 | [**B.**](javascript:%20void%200;) | 1.2 | | [**C.**](javascript:%20void%200;) | 1.25 | [**D.**](javascript:%20void%200;) | 1.30 | |
| 8. The sum of three numbers is 98. If the ratio of the first to second is 2 :3 and that of the second to the third is 5 : 8, then the second number is: |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 20 | [**B.**](javascript:%20void%200;) | 30 | | [**C.**](javascript:%20void%200;) | 48 | [**D.**](javascript:%20void%200;) | 58 | |
| 9. If Rs. 782 be divided into three parts, proportional to http://www.indiabix.com/_files/images/aptitude/1-div-1by2.gif : http://www.indiabix.com/_files/images/aptitude/1-div-2by3.gif : http://www.indiabix.com/_files/images/aptitude/1-div-3by4.gif, then the first part is: |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 182 | [**B.**](javascript:%20void%200;) | Rs. 190 | | [**C.**](javascript:%20void%200;) | Rs. 196 | [**D.**](javascript:%20void%200;) | Rs. 204 | |
| 10. The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 3 : 3 : 10 | [**B.**](javascript:%20void%200;) | 10 : 11 : 20 | | [**C.**](javascript:%20void%200;) | 23 : 33 : 60 | [**D.**](javascript:%20void%200;) | Cannot be determined | |
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