Comparing Quantities: Worksheet -4

1. A mixture contains milk and water in the ratio of 5 : 6. on adding 8 litres of water, the ratio of milk and water becomes 1 : 2. find the quantity of the milk in the mixture. (in litres).   [   ]

   [A] 12   [B]10   [C] 14   [D] 8

2. Rs. 5625 divided among A,B and C so that A many receive $\frac{1}{2}$ as much as B and C together receive and B receives $\frac{1}{4}$ what A and C together receive. The share of A is more than that of B by: [   ]

   [A] Rs. 750   [B] Rs. 775   [C] Rs . 1500 [D] Rs. 1600

3. A dishonest milkman mixed 2 liters of water for every 5 liters of milk and thus prepared a mixture of milk and water of 49 liters. If he finally adds 14 liters of pure milk to the mixture, find the ratio of milk and water in the mixture.   [   ]

   [A] 12 : 5   [B] 14 : 3   [C] 7 : 2   [D] 9 : 4

4. In an examination. The ratio of pass candidates of failed was 3 : 1. if 8 more had appeared and 6 less had passed, then the ratio would have changed to 1 : 1 . the number of candidates who appeared for the examination is: [   ]

   [A] Rs. 3000   [B] Rs. 5000

   [C] Cannot be determined   [D] None of these

5. Ratio of boys to the girls in a class is 5 : 4. which of the following cannot be the number of students in the class?   [   ]

   [A] 45   [B] 72   [C] 108   [D] 98

6. If three are Rs. 495 in a bag in denominations of one – rupee, 50 paise and 25 paise coins, which are in the ratio 1 : 8 : 16. how many 50 paise coins are there in the bag?   [   ]

      [A] 50   [B] 220   [C] 440   [D] None

7. The ratio of $4^{3.5} : 2^5$ is same as: [   ]

      [A] 2 :1   [B] 4 : 1   [C] 7 : 5   [D] 7 : 10

Read the passage and answer the following questions

     Kamal, on his death bed, keeps half his property for his wife and divides the rest equally among his three sons : Bobby, Chandra and Dev. Some years later, Bobby dies leaving half his property to his window wife and half of his brother Chandra and Dev together, sharing equally. When Chandra makes his will, he keeps half his property for his window wife and the bequeaths to his younger Dev. When Dev dies some years later, he keeps half his property for his window wife and the remaining for his mother. The mother now has Rs. 1,575,000.

Based on this information answer the following:

8. What was the worth of the total property?

9. What was chandra's original share?

10. What was the ratio of the property owned by the widows of the three sons, in the end?