

Class: 6

Subject: Mathematics

Topic: Ratio (E.X-2.1)

Date-14/06/2020

Day-16

Creative questions

1. The ratio of the price of two televisions is 5:7

- a) Two numbers are in the ratio 7: 9. If the sum of the numbers is 112, then the larger number is
- b) If the price of 2nd television is 35000 TK, what is the price of 1st television?
- c) If the price of 1st television is increased by 5000, what is the ratio of 1st and 2nd computer?

2. Monthly income of a service holder is TK 10000. His monthly expenditure is TK 8000.

- a) What is the ratio of income and expenditure?
- b) What is the percentage of expenditure of income?
- c) How much money he saves in one year?

3. The ratio of milk and water is 3 :2 and the mixer are 15 liters.

- a) Find the quantities of milk.
- b) Find the quantities of water.
- c) What is the percentage of milk in mixer?

Multiple Choice Questions

1. A ratio equivalent to 3: 7 is:

(i) 3: 9; (ii) 6: 10; (iii) 9: 21; (iv) 18: 49

2. The ratio 35: 84 in simplest form is:

(i) 5: 7; (ii) 7: 12; (iii) 5: 12; (iv) none of these

3. In a class there are 20 boys and 15 girls. The ratio of boys to girls is:

(i) 4: 3; (ii) 3: 4; (iii) 4: 5; (iv) none of these

4. Two numbers are in the ratio 7: 9. If the sum of the numbers is 112, then the larger number is:

(i) 49; (ii) 72; (iii) 63; (iv) 42

5. The ratio of 1.5 m to 10 cm is:

(i) 1: 15; (ii) 15: 10; (iii) 10: 15; (iv) 15: 1

6. The ratio of 1 hour to 300 seconds is:

(i) 1: 12; (ii) 12: 1; (iii) 1: 5; (iv) 5: 1

7. The length and breadth of a rectangle are in the ratio 3: 1. If the breadth is 7 cm, then the length of the rectangle is:

(i) 14 cm; (ii) 16 cm; (iii) 18 cm; (iv) 21 cm

8. 7: 12 is equivalent to:

(i) 28: 40; (ii) 42: 71; (iii) 72: 42; (iv) 42: 72

9. Length and width of a field are in the ratio 5: 3. If the width of the field is 42 m then its length is:

(i) 100 m; (ii) 80 m; (iii) 50 m; (iv) 70 m

10. If $a: b = 2:3$ and $b:c = 4:3$, then find $a: b:c$

i) 8:12:9

(ii) 2:3:8

(iii) 2:3:9

(iv) 2:3:12