# Ratio & Proportion Worksheet – 2

1. A ratio is always greater than 1. Mark True / False.

a)      True                                                                      b)      False

2. Ratio of half an hour to 50 seconds is 30 : 50. Mark True / False.

a)      True                                                                      b)      False

3. Ratio of 5 : 9 is smaller than the ratio 2 : 3. Mark True / False.

a)      True                                                                      b)      False

4. The ratio 3 : 2 and 5 : 7 are equivalent. Mark True / False.

a)      True                                                                      b)      False

5. If the numbers 3, 4, 12 and 'p' are in proportion, then the value of 'p' is 15. Mark True / False.

a)      True                                                                      b)      False

6. Find the value of 'm' in the below given proportion.

m : 5 = 9 : 15

a)      1                                                                           b)      2

c)      3                                                                           d)      4

7. Find the value of 'm' in the below given proportion.

$\frac{1}{12}$ : m = $\frac{1}{3}$ : $\frac{1}{5}$

a)      $\frac{1}{5}$                                                                b)      $\frac{2}{5}$

c)      $\frac{3}{5}$                                                                d)      $\frac{1}{20}$

8. Find the value of 'y' in the below given proportion.

3.6 : 0.6 = y : 0.5

a)      6                                                                           b)      3

c)      5                                                                           d)      None of these

9. Find the fourth proportional to 3 km, 12 km, 18 km.

a)      36                                                                         b)      63

c)      72                                                                         d)      27

10. Find the fourth proportional to $\frac{1}{3}, \frac{1}{5}, \frac{1}{6}$ .

a) $\frac{1}{5}$

b) $\frac{1}{10}$

c) $\frac{2}{5}$

d) $\frac{3}{5}$

11. What is the third proportional to Rs. 5, Rs. 15.

a) 5

b) 10

c) 30

d) 45

12. Ratio between girls and boys in a school is 3 : 5. If there are 54 girls in the school then find the number of boys.

a) 90

b) 60

c) 30

d) 15

13. The ages of Ryan and Viona are in the ratio 3 : 5. If Viona is 4 years 2 months, then find the age of Ryan.

a) 2 years 5 months

b) 2 years 6 months

c) 2 years 4 months

d) 2 years 7 months

14. The ratio between the length and breadth of a rectangular park is 5 : 3. If the length of the park is 90m, then find the breadth.

a) 45 m

b) 40 m

c) 54 m

d) 50 m

15. If two ratios are equivalent, then the four quantities are known as _____.

a) First Term

b) Second Term

c) Mean Term

d) Proportion

16. Divide the angles of a triangle 2 : 2 : 5. Find the largest angle of the triangle.

a) 110°

b) 100°

c) 120°

d) 90⁰

17. If 3A = 5B and 5B = 6C, then find A : C.

a) 3 : 4

b) 4 : 3

c) 2 : 1

d) 1 : 2

18. A rectangular field is 100 m long and 50 m wide. Find the ratio of length to it's perimeter.

a) 3 : 1

b) 2 : 3

c)      1 : 3                                         d)      3 : 4

19. Then mean proportional of 6 and 24 is _____.

a)      15                                            b)      144

c)      18                                            d)      12

20. The third proportion of 4 and 20 is _____.

a)      4                                             b)      20

c)      40                                            d)      100