

Ratio and proportion for class 7 worksheet and extra questions PDF

Q.1 The fourth proportion to 3,5, and 21 is

Q.2 What must be added to each term of the ratio 49:68 so that it becomes 3:4

Q.3 A bag contains Rs 600 in the form of one rupee,50 paise, and 25 paise coins in the ratio 3:4:12. The number of 25 paise coins is

Q.4 Out of the ratios 7:20;13:25 ;17:30 and 11:15 ,the smallest one is

Q.5 20L of a mixture contains milk and water in the ratio 5:3. If 4L of the mixture is replaced by 4L of the milk, the ratio of milk to water in the new mixtures will become

Q.6 If $2x=3y=4z$,then $x:y:z$ is

Q.7 The ratio of number of boys and girls in a school of 720 students is 7:5 .How many more girls should be admitted to make the ratio 1:1 ?

Q.8 The income of A and B are in the ratio 3:2 and their expenditure in the ratio 5:3 .If each saves Rs 1500 ,then B's income is

Q.9 The third proportional to 9 and 12 is

Q.10 The ratio of zinc and copper in a brass piece is 13:7 .How much zinc will be there in 100kg of such a piece ?

Q.11 What should be added to the ratio 5:11, so that the ratio becomes 3:4

Q.12 Two numbers are in the ratio 3:7. If their sum is 710, find the numbers

Q.13 The angles of a triangle are in the ratio 1:2:3 .Find the angles of the triangle .

Q.14 A building of height 8m casts its shadow of the lengths 6m at the point of time during the day .If exactlyat the same of the day ,the length of the shadow of a tower is 5m ,what is the height of the tower?

Q.15 During the same time of the day , a pole casts a shadow of the length 10 m whereas a tree of 3m height casts a shadow of length 6m. Find the height of the pole.

Q.16 A person pays Rs 180 to buy 5kg of rice. How much will he pay to buy 20kg of rice?

Q.17 Anjali got 24 marks out of 30 in a test and fatima got 28 out of 40. Whose score is better?

Q.18 The ratio of the monthly income to the saving of a person is 6:5 .If the saving is Rs 2000 ,find the monthly income

Q.19 Three players scored 250 runs in a one-day cricket match in the ratio 2:3:5 .Find the score of each player

Q.20 The ratio of a father's age to that of his so is 3:1 .If the sum of their ages is 60,find their ages

Answer

1.35

2.8

3.900

4.7:20

5.7:3

6.6:4:3

7.120

8.Rs6000

9.16

10.65kg

11.13

12.213,597

13.30°,60°,90°

14. $6\frac{2}{3}$ m

15.5m

16.Rs.720

17.Anjali

18.Rs.2400

19.50,75,125

20.Father's age=45 year and son's age=15 years