Ratio and Proportion

Worksheet for Grade 6

Name: _____ Class: _____ Date: _____

1 **Express the following ratios in simplest form.**

(i) 15 : 25 (ii) 48 : 72

(iii) 56 : 84 (iv) 99 : 121

2 **Fill in the missing numbers in the following equivalent ratios.**

(i) $\frac{8}{12} = \frac{__}{3} = \frac{4}{__}$ (ii) $\frac{18}{24} = \frac{__}{8} = \frac{6}{__}$

3 **Find the ratio of each of the following in simplest form.**

(i) 3.6 m to 1.8 m (ii) 75 cm to 30 cm (iii) 4.2 kg to 600 g

(iv) 90 paise to ₹3 (v) 2 minutes to 50 seconds (vi) 25 mm to 5 cm

4 The length and the breadth of a rectangular field are 240 m and 90 m respectively. What is the ratio of the length to the breadth of the field?



5 The population of a town is 7200. If the number of males is 4050, find the ratio of males to that of females.



6 In a class, there are 28 boys and 32 girls. Find the ratio of the number of:

(i) boys to that of girls

(ii) girls to that of total number of students

(iii) boys to that of total number of students



7 In a year, Rohan earns ₹1,20,000 and saves ₹30,000. Find the ratio of:

(i) money he earns to the money he saves

(ii) money that he saves to the money he spends



8 The monthly expenses on electricity of a family have increased from ₹600 to ₹750. Find the ratio of:

(i) increase in expenses to original expenses

(ii) original expenses to increased expenses

(iii) increased expenses to increase in expenses



9 Out of 45 students in a class, 18 like music, 15 like dance and the remaining like art. Find the ratio of:

(i) number of students liking music to number of students liking art

(ii) number of students liking dance to total number of students



10 Which ratio is greater?

(i) 4 : 7 or 5 : 9 (ii) 13 : 26 or 9 : 18



11 Divide ₹900 between Amit and Sohan in the ratio 5 : 4.



12 Two people invested ₹18000 and ₹27000 respectively to start a business. They decided to share the profits in the ratio of their investments. If their profit is ₹15000, how much does each get?

13 The ratio of Priya's money to Neha's money is 4 : 7. If Priya has ₹320, how much money does Neha have?

14 The ratio of weights of copper and aluminium in an alloy is 3 : 5. How much aluminium is there in 64 g of alloy?



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