

# RATIO AND PROPORTION

# 7

**Q1. Find whether we can find the ratio in each of the following scenarios or not. If a ratio is possible, write the ratio in the simplest form.**

Find the ratio for:	Is a ratio possible?	Simplest form of ratio
20 mL to 5 litres	_____	_____
28 sweets to 14 animals	_____	_____
3 cm : 2 m	_____	_____
9 g to 14 litres	_____	_____

**Q2. Fill in the missing numbers:**

a.  $\frac{9}{11} = \frac{\square}{110} = \frac{99}{\square}$

b.  $\frac{12}{18} = \frac{4}{\square} = \frac{\square}{9}$

**Q3. Compare the fractions and put the correct sign <, > or =**

a. 3:5 \_\_\_\_\_ 36:60

b. 77:88 \_\_\_\_\_ 7:9

c. 3:4 \_\_\_\_\_ 5:8

d. 90:110 \_\_\_\_\_ 9:10

**Q4. Find A : B : C, if**

**A : B = 7 : 11 and B : C = 33 : 14**

Answer: A:B:C= \_\_\_\_\_

**Q5. A train travels 440 km in 4 hours and a car travels 195 km in 3 hours. Find the ratio of their speeds.**

(Speed =  $\frac{\text{Distance}}{\text{Time}}$ )

Answer: \_\_\_\_\_

**Q6. The ratio of Rishabh's age and his father's age is 1:3. If Rishabh's age is 15 years, find his father's age. Also find the ratio of their ages 5 years from now.**

Answer: Rishabh's father's present age= \_\_\_\_\_ years

Ratio of Rishabh's age to his father's age after 5 years= \_\_\_\_\_ : \_\_\_\_\_

**Q7. Simplify the following ratios:**

$$3 \frac{1}{3} : 2 \frac{1}{5}$$

Answer: \_\_\_\_\_

**Q8. Find whether the following are in proportion or not. Write yes or no as answer.**

Terms	In proportion?
a. 2, 4, 6, 8	_____
b. 3 m, 300 cm, 20 cm, 0.2 m	_____
c. 2 days, 7 days, 12 days, 49 days	_____
d. 200, 400, 150, 300	_____

**Q9. In a school, the ratio of number of male teachers to that of female teachers is 2:5. If there are 18 male teachers, find the number of female teachers in the school.**

Answer: \_\_\_\_\_

**Q10. Raj sells 9 kg mangoes for ₹ 450. Shivani sells 5 kg mangoes for ₹ 350. Who is selling costly mangoes?**

Answer: \_\_\_\_\_

