

**MATHEMATICS**  
**CLASS – VI**  
**Chapter- 12**  
***Ratio and proportion***



- Find the ratio of
  - 36 minutes to 2 hrs
  - 4 litres to 250 ml
  - 100cm to 5 m.
  - ₹ 200 to ₹ 75
  - 2 dozen to 4 scores
- The number of boys and girls in a school are 1450 and 1050 respectively. Express the ratio of
  - The number of boys to the number of girls.
  - The number of boys to the total number of students.
  - The number of girls to the number of boys.
  - The number of girls to the total number of students.
- A rectangular sheet is of length 2.4 m and breadth 80 cm. find the ratio of its width to its length. Also find the ratio of its breadth to its perimeter.
- Find the ratio of the following in simplest form:
  - 360 : 200
  - 20 min to 3 hrs
  - 75 paise to ₹ 5
  - 150 g : 2 kg
- Give two equivalent ratios for
  - 2:5
  - 2:7
  - 3:2
  - 17: 12
- Divide 102 toffees among Sachin and Deepa in the ratio 8 : 9.
- The present age of father is 45 years and her daughter is 20 years. Find the ratio of
  - Present age of father to present age of daughter
  - Age of father to the age of daughter when daughter was 15-year-old.
  - Age of daughter to father when father was 30 years old.
- Are the numbers 40, 30, 60 and 45 in proportion?
- Find the value of  $x$  in the proportion  $5: 10 :: x: 30$
- Is the statement true
  - $15: 40 :: 3: 8$
  - $440ml: 2l :: 55cm: 4cm$
- Cost of 12 pens is ₹ 96. Find the cost of 8 such pens.
- The weight of 72 books is 9 kg.
  - What is the weight of 160 such books?
  - How many books would weigh 6 kg?