## Ratio, Proportion And Unitary Method

**1**. **Write the ratios in the simplest form:**

| | | |
|---|---|---|
| i) 15 minutes to one hour | viii) 2cm to 4 cm | xv) 750g to 3kg |
| ii) 600g to 1 kg | ix) 4 days to 2 weeks | xvi) 8days to 6 weeks |
| iii) 50p to Rs. 2.50 | x) 3 yrs. To 6 months | xvii) 450 to 3 |
| iv) 2 to 800 | xi) 45 sec to 3 min | xviii) 8mm to 1cm |
| v) 80cm to 4 m | xii) 45cm to 3m | xix) Rs. 1.50 to 25p |
| vi) 3 km to 600m | xiii) 30 min to 4 hours | xx) 4 months to 4yrs |
| vii) 3 dozen to 3 scores | xiv) Rs. 1500 to Rs. 18000 | xxi) 294 : 343 |

**2.** Divide Rs. 1450 between A and B in the ratio 2 : 3

**3.** Dr. Suma earns Rs. 50,000 p.m. she spends Rs. 42,000 of it and saves the rest. Find the ratio of
   i) Her expenditure to her income
   ii) Her saving to her income
   iii) Her expenditure to her savings

**4. Fill in :**

| | | |
|---|---|---|
| i) 3:5 = ____ : 15 | v) 6:7 = ____:49 | ix) 5:30 = ____:6 |
| ii) 6: ____ = 12:30 | vi) ____:5 = 20:25 | x) 7: ____ = 49:63 |
| iii) ____:11 = 12:22 | vii) 3: ____ = 5:10 | xi) 1:11 = 9: ____ |
| iv) 9:13 = 27: ____ | viii) 45:15 = 3 : ____ | xii) ____:13 = 18:117 |

**5.** Meena got Rs. 600 as her share from Rs. 2000. Tina got Rs. 750 as her share from Rs. 3000. Express their shares as ratios in the lower terms. Compare and find who got more.

**6. Fill in the blanks with >, = or <**

| | | |
|---|---|---|
| i) 7:10 ____ 5:10 | ii) 6:7 ____ 6:11 | iii) 4: 5 ____ 8:10 |
| iv) 9:13 ____ 9:15 | V) 11:20 ____ 9:20 | VI) 4:9 ____ 12:27 |

**7.** The ratio of the length of a rectangle to its breadth is 3:2. If the perimeter of the rectangle is 20 cm find the length, breadth and area.

**8. Fill in :**

| | | |
|---|---|---|
| i) 2:4 :: ____:10 | ii) ____:8 :: 1:4 | iii) 3:8 :: 15: ____ |
| iv) 1: ____ :: 3:15 | v) 9: ____ :: 90:100 | |

**9.** The cost of 4 pens is Rs. 40. The cost of 11 pens is Rs. _____.

**10.** The weight of 15 boxes is 60 kg. The weight of 12 boxes is _____.

**11.** Maya can walk 6km in 2 hours. In 3 hours she can walk _____.

**12.** Dinner at Marhaba costs SR 1050 for 10 people. How many people can have dinner for SR 1995?

**13.** A car travels 95 km in 5 litres of petrol. How far can it go in 11 litres of petrol?