

JSUNIL TUTORIAL , SAMASTIPUR

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6th Ratio and Proportional-1

1. Find the ratio of

(i) 40 paise to Rs 4 (ii) 24 min. to an hr (iii) 125 ml to 2 litres (iv) 4m to 36 cm (v) Dozen to Score

2. Find the ratio the price of coffee to that of tea, when coffee cost rupees 24 per 100 gm and tea Rs 80 per kg?

3. Two numbers are in ratio 2:7. If the sum of the numbers are 81. Find the numbers?

4. Divide the number 642 in ratio 1: 2: 3 among A, B, C

5. The ratio of Length and breadth of rectangle is 5:3. Find l and b if perimeter is 256?

6. Which ratio is larger (i) 5:12 or 17:30 (ii) 2:3 or 16:24

7. A bus travel 126 km in 3hrs. and a train travel 315 km in 5 hrs. Find ratio of their speed?

8. Are (i) 7, 42, 13, 78 in proportional? (ii) Find x if 48, 36, x are in proportional?

9. First, second, fourth term of a proportional are 45, 25, 35, Find third term.

10. If 36, x, x, 16 are in proportional Find value of x

11. Find value of x if 25, 35, x are in proportional

12. An electrical pole cast shadow length 20 m at a time when a tree of 6 m cast shadow of 8 m. Find the height of pole.

13. The length of the sides of a triangle is in ratios 1: 3: 5 .If perimeter of triangle is 90 cm find its largest side.

14. Rohit earns Rs. 7650 and saves Rs. 918 per month Find ratio of

(i) his income to his saving (ii) His income to his expenditure (iii) his expenditure to his saving

15. Find the ratio of the price of pencil to that of ball pen if pencil cost Rs 96 per score and ball pen cost Rs. 50.40 per dozen.

16. The ratio of the height of Mohit and Rohit is 4: 3 if Rohit is 1.5 m tall. Find the height of Mohit?

17. Neha got 850 marks out of 1000 marks and Suzie got 375 in 500. Express their marks in ratio?

18. The ratio of income to expenditure 9: 8 Find saving, if total income is Rs. 2700

19. Jaya is 1.30m tall and Shakshi is 1m25 cm tall. Find the ratio of their height

20. First, third, fourth term of a proportional are 45, 25, 35, Find third term.