



MATHS

BOOKS - NAVNEET PUBLICATION - MAHARASHTRA BOARD

RATIO - PROPORTION

Question Bank

1. In each example below, find the ratio of the first number to the second :

24, 56



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2. In each example below, find the ratio of the first number to the second :

63, 49



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3. In each example below, find the ratio of the first number to the second :

52, 65



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4. In each example below, find the ratio of the first number to the second :

84, 60



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5. In each example below, find the ratio of the first number to the second :

35, 65



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6. In each example below, find the ratio of the first number to the second :

121, 99.



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7. Find the ratio of the first quantity to the second.

25 beads, 40 beads



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8. Find the ratio of the first quantity to the second.

40 rupees, 120 rupees



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9. Find the ratio of the first quantity to the second.

15 minutes, 1 hour



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10. Find the ratio of the first quantity to the second.

30 litres, 24 litres



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11. Find the ratio of the first quantity to the second.

99 kg, 44000 grams



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12. Find the ratio of the first quantity to the second.

1 litre, 250 ml



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13. Find the ratio of the first quantity to the second.

60 paise, 1 rupee



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14. Find the ratio of the first quantity to the second.

750 grams, $\frac{1}{2}$ kg



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15. Find the ratio of the first quantity to the second.

125 cm, 1 metre.



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16. Reema has 24 notebooks and 18 books. Find the ratio of notebooks to books.



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17. 30 Cricketers and 20 Kho-kho players are training on a field. What is the ratio of cricketers to the total number of players ?



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18. Snehal has a red ribbon that is 80 cm long and a blue ribbon 2.20 m long. What is the ratio of the length of the red ribbon to that of the blue ribbon ?



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19. Shubham's age today is 12 years and his father's is 42 years. Shubham's mother is

younger's age today is 12 years and the following ratios. (1) Ratio of Shubham's age today to his mother's age today. (2) Ratio of Shubham's mother's age today to his father's age today (3) The ratio of Shubham's age to his mother's age when Shubham was "10" years old.



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20. Shubham's age today is 12 years and his father's is 42 years. Shubham's mother is

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22. If 20 metres of cloth cost ₹ 3600, find the cost of 16 m of cloth.



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23. Find the cost of 8 kg of rice, if the cost of 10 kg of rice is ₹ 325.



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24. If 14 chairs cost ₹ 5992, how much will have to be paid for 12 chairs?



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25. The weight of 30 boxes is 6 kg. What is the weight of 1080 such boxes ?



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26. A car with a uniform speed travels a distance of 165 km in 3 hours. At that same speed,
how long will it take to cover a distance of 330 km?



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27. A car with a uniform speed travels a distance of 165 km in 3 hours. At that same speed,

how far will it travel in 8 hours ?



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28. A tractor uses up 12 litres of diesel while ploughing 3 acres of land. How much diesel will be needed to plough 19 acres of land ?



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29. At a sugar factory, 5376 kg of sugar can be obtained from 48 tonnes of sugar cane. If Savitai has grown 50 tonnes of sugar cane, how much sugar will be obtained from it.



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30. In an orchard, there are 128 mango trees in 8 rows. If all the rows have an equal number of trees, how many trees would there be in 13 rows?



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31. A pond in a field holds 1,20,000 litres of water. It costs 18,000 to make such a pond. How many ponds will be required to store 4,80,000 litres of water, and what would be the expense incurred ?



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32. The ratio of red beads to green beads is 2 :

3

How many green beads are needed to go with

12 red beads ?



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33. The ratio of red beads to green beads is 2 :

3

How many red beads are needed to go with 21

green beads ?





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34. Which of the four mathematical operations (addition, subtraction, multiplication, division) on numbers will you carry out first in the unitary method ?



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35. The ratio of ₹ 1 to 150 p is:



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36. The ratio of ₹ 2 to 250 p is



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37. The ratio of ₹ 2 to 150 p is:



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38. 20 articles cost ₹ 100. What is the cost of 1 article ?



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39. A car travels 48 km in 50 minutes. How much time will it take to travel 24 km at the same speed?



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