

MATHS

BOOKS - CHETANA MATHS (MARATHI ENGLISH)

Ratio and Proportion

Example

1. Convert the following ratio into percentage

 $\frac{7}{16}$

2. The length of a rectangular field is 1.2 km and its breadth is 400 meter. Find the ratio of length to breadth.



Watch Video Solution

3. If $\frac{a}{b}=\frac{7}{3}$ then find the value of the ratio $\frac{a-b}{1}$.



4. If $\frac{a}{b}=\frac{7}{3}$ then find the value of $\frac{2a^2+3b^2}{2a^2-3b^2}$.



Watch Video Solution

5. Compare the following ratios: $\frac{\sqrt{5}}{3}$, $\frac{3}{\sqrt{7}}$.



Watch Video Solution

6. Find the following ratios. The ratio of circumference of circle with radius r to its

area.

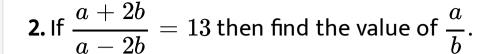


Watch Video Solution

Exercise

1. The ratio of two numbers is 5:7.If 40 is added in each number, then the ratio becomes 25:31. Find the number.







3. If 10 is the geometric mean of 25 and x,then find the value of x.



4. a,b,c are in continued proportion.If a=3 and c=27 then find b.

5. If
$$\dfrac{x}{y}=\dfrac{4}{5}$$
 then find the value of the ratio $\dfrac{3x^2+y^2}{3x^2-y^2}.$



6. Which number should be subtracted from 7,12 and 18 such that the resultant numbers are in continued proportion?



7. If the weight of 10 sheets of thick paper is 40 grams, How many sheets of the same paper would weight 800 grams?



Watch Video Solution

8. If 15 workers can build a wall in 48 hours. How many workers will be required to do the same work in 72 hours?



