

8th - Comparing Quantities - I

- Write each of the following as percent: a) $\frac{5}{8}$ b) 0.005
 - In a class, there are 20 girls and 30 boys. Find the ratio of boys and girls in the class.
 - Divide Rs. 26000 among A, B and C in the ratio 3:4:6. Find the share of each.
 - Find the number a, if
 - 8.4% of a is 42
 - 23 % of a is 46
 - 42 % of a is 126
 - Convert the following ratios into percentage.
 - 3:5
 - 5:3
 - 11:10
 - Convert the following percentages into ratios.
 - $33\frac{1}{2}\%$
 - $12\frac{1}{2}\%$
 - 75%
 - Find:(i) 22% of 120 (ii)135% of 80cm (iii)16.5% of 5000 m
 - Seema's height is 150 cm and Reema's is 160 cm. By what percent Reema's height is more than Seema's height?
 - x is 5% of y, y is 24% of z. If x=480, find the values of y and z.
 - In an examination, Rishab scored 850 marks and Ritika scored 750 marks. If percentage marks of Rishab are 85%, find the percentage marks scored by Ritika.
 - In a competitive examination, five papers are of 100 marks each and the other two papers are of 75 and 50 marks each. Find out the percent weightage given to 100 marks, 75 marks and 50 marks.
 - Arpit saves 30% less than what Archit saves. Archit saves 20% less than what Chirag saves. By what percent Chirag saves more than Arpit?
 - A number is increased by 10% and then decreased by 10%. Find the net increase or decrease percent.
 - As compared to last year, prices of grocery items are increased by 20% and a hotel owner spends Rs. 1, 20,000 on grocery items this year. Find out his expenditure on grocery items last year.
- Profit and Loss**
- A reduction of 20% in the price of an article enables a man to buy 25 articles more for Rs. 45000. Find the original price of each article.
 - A shopkeeper bought 100 bulbs for Rs 12 each. He found 10 bulbs to be fused and sold the remaining bulbs so as to gain 5% on whole transaction. At what price should he sell each bulb?
 - A shopkeeper sold an article for Rs 720 and at a loss of 10%. At what price should he sell it so as to gain 5% ?
 - Shopkeeper sold a cooler for RRs 5600 whereby gain $\frac{1}{7}$ per cent of cost price. Find cost price.
 - Cost price of 12 TV's is equal to selling price of 15TV's. Find the loss percent.