

Grade 8 Comparing Quantities Worksheets

Grade 8 Maths Comparing Quantities Multiple Choice Questions (MCQs)

1. Find the ratio of Speed of a cycle 15 km per hour to the speed of scooter 30 km per hour.

- (a) 2 : 1
- (b) 1 : 2
- (c) 4 : 5
- (d) None of these

2. 72% of 25 students are good in hindi, how many are not good in hindi?

- (a) 16
- (b) 14
- (c) 18
- (d) 7

3. There are 25 radios, 16 of them are out of order. What per cent of radios are out of order?

- (a) 75%
- (b) 64%
- (c) 60%
- (d) None of these

4. Rahul bought a sweater and saved ₹ 20 when a discount of 25% was given. What was the price of the sweater before the discount?

- (a) ₹ 30
- (b) ₹ 40
- (c) ₹ 60
- (d) ₹ 80

5. A school team won 6 games this year against 4 games won last year. What is the per cent increase?

- (a) 75%
- (b) 50%
- (c) 60%
- (d) None of these

6. A football team won 10 matches out of the total number of matches they played. If their win percentage was 40, then how many matches did they play in all?

- (a) 10
- (b) 25
- (c) 40
- (d) None of these

7. Mohit bought a CD for ₹ 750 and sold it ₹ 875. Find his gain or loss per cent.

- (a) 5%
- (b) 16%
- (c) 6%
- (d) $16\frac{2}{3}\%$

8. A vendor brought oranges at 20 for ₹ 56 and sold them at ₹ 35 per dozen. Find his gain or loss percent.

- (a) 5%
- (b) $4\frac{1}{6}\%$
- (c) 6%
- (d) $16\frac{2}{3}\%$

9. A trader marks his goods at 40% above the cost price and allows a discount of 25%. What is his gain?

- (a) ₹ 118
- (b) ₹ 175
- (c) ₹ 105
- (d) None of these

10. On selling a fan for ₹ 810. Sunil gains 8%. For how much did he purchase it?

- (a) ₹ 780
- (b) ₹ 750
- (c) ₹ 760
- (d) None of these

11. The boys and girls in a school are in the ratio of 8 : 5. If the number of girls is 160, what is the total strength of the school?

- (a) 250
- (b) 260
- (c) 356
- (d) 416

12. What sum will amount to ₹ 4590 at 12% per annum simple interest in 3 years?

- (a) ₹ 3500
- (b) ₹ 3375
- (c) ₹ 3750
- (d) None of these

13. At what rate per cent per annum will ₹ 1650 amount to ₹ 2046 in 3 years?

- (a) 8%
- (b) 4%
- (c) 6%
- (d) $16\frac{2}{3}\%$

14. At what rate per cent per annum simple interest will a sum treble itself in 16 years?

- (a) 12%
- (b) 12.5%
- (c) 15%
- (d) $16\frac{2}{3}\%$

15. At what rate per cent per annum simple interest will a sum be double itself in 8 years?

- (a) 15%
- (b) 14%
- (c) 16%
- (d) $12\frac{1}{2}\%$

16. What will be the bill amount if the cost of a toy is ₹ 450 and the sales tax charged is 5%?

- (a) ₹ 472.5
- (b) ₹ 437.5
- (c) ₹ 460
- (d) ₹ 455

17. If the simple interest on a sum of money at 5% per annum for 3 years is ₹ 1200, then the compound interest on the same sum for the same period at the same rate will be:

- (a) ₹ 1225
- (b) ₹ 1236
- (c) ₹ 1248
- (d) ₹ 1261

18. The compound interest on ₹ 8,000 at 5% per annum for 3 years, compounded annually is:

- (a) ₹ 1225
- (b) ₹ 1236
- (c) ₹ 1248
- (d) ₹ 1261

19. In what time will be ₹ 1000 amount to ₹ 1331 at 10% per annum compounded annually?

- (a) 2 years
- (b) $2\frac{1}{2}$ years
- (c) 3 years
- (d) 4 years

20. The compounded interest on ₹ 30000 at 7% per annum for a certain time is ₹ 4347. The time is:

- (a) 2 years
- (b) $2\frac{1}{2}$ years

(c) 3 years

(d) 4 years

Class 8 Maths Comparing Quantities Fill In The Blanks

1. $7\frac{1}{2}\%$ of ₹ 1200 =
2. 240 ml is % of 3l.
3. If x% of 35 is 42, then x =
4. $\frac{9}{5}$ = %
5. 120 = % of 80.

Class 8 Maths Comparing Quantities True(T) Or False(F)

$$\frac{(100 + \text{loss}\%)}{100}$$

1. SP = × CP
2. Gain is calculated on the selling price.
3. 6 hours = 25% of a day.
4. 6% of 8 is 48.
5. If 5 cows graze the field in 4 days, then 4 cows will graze the same field in 5 days.

Class 8 Maths Comparing Quantities Very Short Answer Type Questions

1. Find the ratio of 3 km to 300 m.
2. A map is given with a scale of 2 cm = 1000 km. What is the actual distance between the two places in kms, if the distance in the map is 2.5 cm?
3. 6 bowls cost ₹ 90. What would be the cost of 10 such bowls?
4. The car that I own can go 150 km with 25 litres of petrol. How far can it go with 30 litres of petrol?
5. The ratio of 90 cm to 1.5 m is:
6. A picnic is being planned in a school for class VIII. Girls are 60% of the total number of students and are 18 in number. The ratio of the number of girls to the number of boys in the class is:

Class 8 Maths Comparing Quantities Short Answer Type Questions

1. If 23% of a is 69, then find a.
2. x is 5% of y, y is 24% of z. If x = 480, find the values of y and z.
3. A number is increased by 10% and then it is decreased by 10%. Find the net increase or decrease per cent.

4. If the cost of 18 mangoes is the same as the selling price of 16 mangoes, find the gain per cent.

Class 8 Maths Comparing Quantities Long Answer Type Questions

1. Find the single discount equivalent to two successive discounts of 20% and 10%.
2. Find the principal, if the compound interest compounded annually at the rate of 10% per annum for three years in ₹ 331.
3. On selling 100 pens, a man gains the selling price of 20 pens. Find the gain per cent.