Grade 7 Comparing Quantities Worksheets

Grade 7 Maths Comparing Quantities Multiple Choice Questions (MCQs)

1. **Find the ratio of 3 km to 300 m.**
(a) 10 : 1
(b) 1 : 10
(c) 1 : 5
(d) none of these

2. **The car that I own can go 150 km with 25 litres of petrol. How far can it go with 30 litres of petrol?**
(a) 125 km
(b) 150 km
(c) 250 km
(d) none of these

3. **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

4. **72% of 25 students are good in hindi, how many are not good in hindi?**
(a) 16
(b) 14
(c) 18
(d) 7

5. **There are 25 radios, 16 of them are out of order. What percent of radios are out of order?**
(a) 75%
(b) 64%
(c) 60%
(d) none of these

6. **A survey of 40 children showed that 25% liked playing football. How many children not liked playing football?**
(a) 90
(b) 60
(c) 30
(d) none of these

7. **Out of 15,000 voters in a constituency, 60% voted. Find the number of voters who did note vote.**
(a) 9000

(b) 6000
(c) 3000
(d) none of these

8. **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

9. **How much will an item cost if 10% discount is given on the marked price ₹ 100**
(a) 90
(b) 110
(c) 95
(d) 85

10. **The price of a scooter was ₹ 34,000 last year. It has increased by 20% this year. What is the price now?**
(a) ₹ 40,800
(b) ₹ 32,300
(c) ₹ 40,000
(d) none of these

11. **Raghu bought an almirah for ₹ 6250 and spent ₹ 375 on its repairs. Then he sold it for ₹ 6890. Find his gain or loss percent.**
(a) 5%
(b) 4%
(c) 6%
(d) 16§%

12. **Selling price of a toy car is ₹ 540. If the profit made by shopkeeper is 20%, what is the cost price of this toy?**
(a) ₹ 108
(b) ₹ 450
(c) ₹ 160
(d) none of these

13. **A dealer purchased a washing for ₹ 7660. He allows a discount of 12% on its marked price and still gains 10%. Find the marked price of the machine.**
(a) ₹ 9800
(b) ₹ 9675
(c) ₹ 9575
(d) none of these

14. **Rashmi buys a calculator for ₹ 720 and sells it at a loss of $6\frac{2}{3}$%. For how much does she sell it?**
(a) ₹ 700

(b) ₹ 650
(c) ₹ 672
(d) none of these

15. **Find the simple interest on ₹ 2500 for 2 years 6 months at 6% per annum.**
(a) ₹ 350
(b) ₹ 375
(c) ₹ 750
(d) none of these

16. **At what rate per cent per annum will ₹ 1650 amount to ₹ 2046 in 3 years?**
(a) 8%
(b) 4%
(c) 6%
(d) $16\frac{2}{3}$%

17. **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) $16\frac{2}{3}$%

18. **In what time will ₹ 1600 amount to ₹ 1768 at 6% per annum simple interest?**
(a) $1\frac{1}{4}$ years
(b) $2\frac{1}{2}$ years
(c) $1\frac{3}{4}$ years
(d) $1\frac{1}{2}$ years

19. **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) $12\frac{1}{2}$%

20. **At simple interest a sum becomes 1.5 times of itself in 5 years. The rate of interest per cent per annum is:**
(a) 8%
(b) 5%
(c) 10%
(d) 12%

Grade 7 Maths Comparing Quantities Find the ratio of (in lowest from)

1. 200g to 4 Kg ………………
2. 80 Paise to ₹ 2 ……………
3. 30 days to 36 hours ……………
4. 12.8 m to 3.2 m ……………

Grade 7 Maths Comparing Quantities Express the following percents as the decimal fraction:
1. 0.07%
2. 15%

Grade 7 Maths Comparing Quantities Express each of the following percents as fraction in the simplest form:
1. $12\frac{1}{2}$
2. 75%

Grade 7 Maths Comparing Quantities Express each of the following fractions as percent:
1. $5\frac{1}{4}$
2. $\frac{9}{20}$

Grade 7 Maths Comparing Quantities Very Short Answer Type Questions

1. If 3 : x :: 9 : 15 then find the value of x.
2. Find 20% of ₹ 2500.
3. Find the whole quantity if 40% of it is 500 km.
4. In the market cost of 1 dozen bananas are ₹ 48. Find the cost of 10 bananas.
5. In a city, 35% are females, 45% are males and remaining are children. What % are children?

Grade 7 Maths Comparing Quantities Short Answer Type Questions

1. If the ratio of angles of a triangle is 2:3:4, then find the measure of these angles.
2. If 75% of x is 18 then find the value of x.
3. Chalk contains Calcium, Carbon and Oxygen in the ratio 10 : 3 : 12. Find the percentage of Carbon in chalk.
4. Compute the Simple Interest on a sum of ₹ 900 for 5 years at the ratio of 6% per annum.

Grade 7 Maths Comparing Quantities Long Answer Type Questions

1. The cost price of 8 books is equal to the selling price of 6 books. Find the gain per cent.

2. What principal will amount to ₹ 900 in 6 years at 10% Simple Interest?

3. There are 120 children live in Seemapuri 'J' Block. According to servey conducted in 2014, out of these 24 children do not go to school" Under the project "School Chale Hum" these students admitted in school on the basis of above statement answer the following questions.

(a) In 2014, how many children did not go to school?

(b) Under the Project "School Chale Hum" How many children admitted in school?