

Answer Key:

1. a
2. b
3. c
4. Ratio
7. triplets
5. 3:2
6. 17%
7. Rs 2,835
8. 23153
9. Amount = Rs 15,377.34; Compound interest = Rs 4,577.34

CLASS – VIII Mathematics (Comparing quantities)

Choose the correct option:

1. Find the ratio of 5 m to 10 km.
a. 1:2000 b. 2000:1
c. 1:3 d. 3000:1
2. An item marked at Rs 840 is sold for Rs 714. What is the discount %?
a. 10% b. 15%
c. 20% d. 25 %
3. Find selling price (SP) if a profit of 5% is made on a cycle of Rs 700 with Rs 50 as overhead charges.
a. Rs 600 b. Rs 780
c. Rs 787.50 d. Rs 750

Fill in the blanks:

4. _____ means comparing two quantities.
5. 72% of 25 students are good in mathematics. How many are not good in mathematics?
6. Sheela bought two fans for Rs 1200 each. She sold one at a loss of 5% and the other at a profit of 10%. Find the selling price of each. Also find out the total profit or loss.
7. Calculate the amount and compound interest on Rs 8,000 for 1 year at 9% per annum compounded half yearly.
8. Kamala borrowed Rs 26,400 from a Bank to buy a scooter at a rate of 15% p.a. compounded yearly. What amount will she pay at the end of 2 years and 4 months to clear the loan?
9. A milkman sold two of his buffaloes for Rs 20,000 each. On one he made a gain of 5% and on the other a loss of 10%. Find his overall gain or loss.

Answer Key:

1. a
2. b
3. c
4. Ratio
5. 28% students
6. Rs 1140, Rs 1320, Profit = Rs 60
7. Amount = Rs 8,736.20, Interest = Rs 736.20
8. Rs 36,659.70
9. Loss of Rs 1,269.84

CLASS – VIII Mathematics (Comparing quantities)

Choose the correct option:

1. Find the ratio of 50 paise to Rs 5.
a. 1:10 b. 10:1
c. 1:5 d. 5:1
2. The list price of a frock is Rs 220. A discount of 20% is announced on sales. What is the amount of discount?
a. Rs 34 b. Rs 44
c. Rs 55 d. Rs 22
3. Find selling price (SP) if a profit of 5% is made on a lawn mower bought at Rs 1150 with Rs 50 as transportation charges.
a. Rs 1200 b. Rs 1140
c. Rs 1260 d. Rs 1100

Fill in the blanks:

4. _____ means comparing two quantities.
5. 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?
6. The price of a TV is Rs 13,000. The sales tax charged on it is at the rate of 12%. Find the amount that Vinod will have to pay if he buys it.
7. Find CI on Rs 12600 for 2 years at 10% per annum compounded annually.
8. A TV was bought at a price of Rs 21,000. After one year the value of the TV was depreciated by 5% (Depreciation means reduction of value due to use and age of the item). Find the value of the TV after one year.
9. Meenu bought two fans for Rs 1200 each. She sold one at a loss of 5% and the other at a profit of 10%. Find the selling price of each. Also find out the total profit or loss.

Answer Key:

1. a
2. b
3. c
4. Ratio
5. 25 matches
6. Rs 14,560
7. Rs 2646
8. Rs 19,950
9. Profit of Rs 60.

CLASS – VIII Mathematics (Comparing quantities)

Choose the correct option:

1. Find the ratio of 5 km to 10 m.
a. 500:1 b. 1:500
c. 1:20 d. 20:1
2. The list price of a frock is Rs 220. A discount of 20% is announced on sales. What is the sale price?
a. Rs 144 b. Rs 176
c. Rs 154 d. Rs 122
3. Find selling price (SP) if a profit of 5% is made on a fan bought for Rs 560 and expenses of Rs 40 made on its repairs.
a. Rs 600 b. Rs 540
c. Rs 630 d. Rs 500

Fill in the blanks:

4. _____ means comparing two quantities.
5. If Shilpa had Rs 600 left after spending 75% of her money, how much did she have in the beginning?
6. I purchased a hair-dryer for Rs 5,400 including 8% VAT. Find the price before VAT was added.
7. Find the time period and rate for a sum taken for 2 years at 4% per annum compounded half yearly.
8. Fabina borrows Rs 12,500 at 12% per annum for 3 years at simple interest and Radha borrows the same amount for the same time period at 10% per annum, compounded annually. Who pays more interest and by how much?

Answer Key:

1. a
2. b
3. c
4. Ratio
5. Rs 2400
6. Rs 5,000
7. Time period = 4, rate = 2% half yearly
8. Fabina pays Rs 362.50 more

CLASS – VIII Mathematics (Comparing quantities)

Choose the correct option:

1. Find the ratio of Rs 6 to 50 paise.
a. 12:1 b. 1:12
c. 1:30 d. 30:1
2. A table marked at Rs 15,000 is available for Rs 14,400. Find the discount per cent.
a. 2 % b. 4 %
c. 5 % d. 8 %
3. 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. 26% b. 30%
c. 28% d. 20%

Fill in the blanks:

4. _____ means comparing two quantities.
5. If 60% people in a city like cricket, 30% like football and the remaining like other games, then what per cent of the people like other games? If the total number of people are 50 lakh, find the exact number who like each type of game.
6. A shopkeeper bought two TV sets at Rs 10,000 each. He sold one at a profit 10% and the other at a loss of 10%. Find whether he made an overall profit or loss.
7. A milkman sold two of his buffaloes for Rs 20,000 each. On one he made a gain of 5% and on the other a loss of 10%. Find his overall gain or loss.
8. Vasudev invested Rs 60,000 at an interest rate of 12% per annum compounded half yearly. What amount would he get after 6 months?
9. A scooter was bought at Rs 42,000. Its value depreciated at the rate of 8% per annum. Find its value after one year.

Answer Key:

1. a
2. b
3. c
4. Ratio
5. 10%, cricket → 30 lakh; football → 15 lakh; other games → 5 lakh
6. No profit no loss
7. Loss of Rs 1,269.84
8. Rs 63,600
9. Rs 38,640