



Percentage Questions - Download PDF now!

Percentage questions are a common type of questions regularly asked in competitive exams. These questions carry a weightage of 1-2 questions(2-4 marks) in SSC exams and 1-2 questions(1-2 marks) in bank exams. To perform well in competitive exams, concepts of percentage should be on your tips.

Here are some tips for solving Percentage questions: Try converting percentages into fractions, memorise common percentage values, break down complex problems into simpler steps, and practice consistently to sharpen your skills with real-world scenarios.

So, we have attached 10 questions of Percentage for you to practice with. You should aim to solve these questions in less than half a minute for each.

## Practice Questions on Percentage

You can also download the Percentage questions and answers pdf. Just click on the **Download PDF** button. So let's start with the very first question.

**Q:1** Initially a shopkeeper had  $n$  chocolates. A customer bought 14.28% chocolate from  $n$  then another customer bought 16.67% of the remaining chocolates. Finally, shopkeeper is left with 240 chocolates in his shop. How many chocolates were there initially in his shop?

1. 432
2. 336
3. 442
4. 342

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) Try using short tricks, fraction values of percentages

**Q:2** Rakesh gives 15% of his salary to his daughter. He then gives 20% of the remaining salary to his son. Of the remaining salary, he gives 37.5% to his wife and keeps rest of the salary. If the difference between the amounts that his son and daughter got is Rs 15270, find the money that Rakesh is left with himself.

1. Rs 415244.5
2. Rs 321467.5
3. Rs 318765.5
4. Rs 324487.5

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) This was a simple one, don't get stuck in unnecessary calculations!

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**Q:3** In an election two candidates participated, 10% voters did not vote, 6800 votes were declared invalid, the winner get 55% of the valid votes and wins by 4000 votes. Find the number of voters in the voting list.

1. 60000
2. 48000
3. 36000
4. 52000

(**Difficulty: 3, Estimated Time: 20 Seconds**) This is a common type of question asked..

**Q:4** The cost of a Table is Rs. 900 and of a chair is Rs. 400. The price of the table and chair increases by 5% and 10% respectively. Find the percentage increase in the price of 2 Tables and 5 chairs.

1. 8.43
2. 8.72
3. 7.63
4. 7.38

(**Difficulty: 3, Estimated Time: 20 Seconds**) It is a bit calculative one...

**Q:5** The salary of Dinesh in 2018 was Rs, 15,00,000 lakhs. Dinesh got an increment of 10% and 20% for the years 2019 and 2020. The present salary of Dinesh is equal to Sarita's salary. What is Sarita's present salary?

1. Rs. 18,00,000
2. Rs. 18,60,000
3. Rs. 19,20,000
4. Rs. 19,80,000

(**Difficulty: 3, Estimated Time: 20 Seconds**) We're halfway through. Have you got all your questions correct so far?

**Q:6** The cost price of an article is Rs. 1200 and the marked price is Rs. 1920. On selling the article at a discount of 25%, the shopkeeper still makes a profit of x%. What is the value of x?

1. 10%
2. 12%
3. 15%
4. 20%

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(**Difficulty: 3, Estimated Time: 20 Seconds**) You should not spend more than 20 seconds in attempting this question...

**Q:7** Amisha being a cunning shopkeeper laid out a trick to sell her products. She is marketing her product by saying that she is selling the product at a 20% loss per kg. The reality is she is weighing 30% less in each packet to cover this loss. What is the total profit percent she is getting through this trick? (Approx)

1. 11%
2. 13%
3. 14%
4. 9%

(**Difficulty: 4, Estimated Time: 25 Seconds**) This was a bit hard. Did you get it right?

**Q:8** India played total of 24 matches in 2011, 36 matches in 2012 and 15 matches in 2013. If out of the total matches in 2011, 2012 and 2013, 50%, 75% and 80% respectively are won by India, then what percent of total matches played in all three years are won by India?

1. 60%
2. 68%
3. 46%
4. 55%

(**Difficulty: 2, Estimated Time: 15 Seconds**) This was a piece of cake....

**Q:9** A man deposits 10% of his salary in PF. He saves 30% of the remaining. Out of the remaining salary after saving, he spends on medicine and groceries in 3 : 4. If his expenses on medicine were Rs. 8100. Find his monthly salary.

1. Rs. 30,000
2. Rs. 25,000
3. Rs. 20,000
4. Rs. 35,000

(**Difficulty: 3, Estimated Time: 20 Seconds**) You might have wrapped it up in 15 seconds...

**Q:10** A number, when multiplied by 2 instead of dividing by 4, gives a result which is 525 more. If the same number is divided by 6 instead of multiplying by 3, then by approximately what percent the resultant value will be decreased?

1. 81.42%

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2. 88.37%

3. 94.44%

4. 79.67%

**(Difficulty: 2, Estimated Time: 15 Seconds)** Did you guess them all correctly?

## Answer Key

Let's check out your score in this test.

1. (2)	2. (4)	3. (4)	4. (3)	5. (4)
6. (4)	7. (3)	8. (2)	9. (1)	10. (3)

Comment below your score, considering each question has 1 mark only. If you scored 8 to 10, congratulations! You are one step closer to selection. If you have scored 5 to 8 marks, then you are doing well, keep it up. If you have scored less than 5 marks then you need to work a little harder on this subject. But don't worry, we are here to help you master the subject.

Let's check the answers and solutions and try to find out what went wrong.

## Answers and Solutions

**Q:1** The correct answer is **Option 2** i.e. **336**.14.28% =  $\frac{1}{7}$ , which means  $\frac{6}{7}$  chocolates were left16.67% =  $\frac{1}{6}$ , which means  $\frac{5}{6}$  chocolates were left

According to question,

$$n \times \frac{6}{7} \times \frac{5}{6} = 240$$

$$\Rightarrow n = 336$$

 $\therefore$  Initially the number of chocolates = 336**Q:2** The correct answer is **option 4** i.e. **Rs 324487.5**

Let his salary be 100x



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Money given to daughter = 15% = 15x

Money given to son = 20% of (100x - 15x) = 17x

Remaining amount = (100 - 15 - 17) x = 68x

Money given to wife = 37.5% of 68x =  $\frac{3}{8} \times 68x = 25.5x$

Money left with Rakesh = 68x - 25.5x = 42.5x

Difference between amounts given to son and daughter = 17x - 15x = 2x

2x = 15270

x = 7635

Money left with Rakesh = 42.5x = 42.5 × 7635 = Rs 324487.5

**Q:3** The correct answer is **Option 4** i.e. **52000**

Let the number of total voters in the voting list be x

Winner gets 55% of valid votes

So, loser gets 45% of valid votes

Difference = 55 - 45 = 10%

According to question,  $(90x/100 - 6800)10/100 = 4000$

$\Rightarrow 9x/10 - 6800 = 40000$

$\Rightarrow 9x/10 = 46800$

$\Rightarrow x = 52000$

$\therefore$  Total number of voters = 52000

**Q:4** The correct answer is **option 3** i.e. **7.63**

Cost of one Table = Rs. 900

Cost of One Chair = Rs. 400

New price of one table = 900 + 5% of 900 = 900 + 45 = 945



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New price of one chair =  $400 + 10\% \text{ of } 400 = 400 + 40 = 440$

Now, Total cost of 2 tables and 5 chairs,

Old price =  $(2 \times 900) + (5 \times 400) = 1800 + 2000 = 3800$

New price =  $(2 \times 945) + (5 \times 440) = 1890 + 2200 = 4090$

% increase =  $\{(4090 - 3800)/3800\} \times 100 = (290/3800) \times 100 = 7.63\%$

**Q:5** The correct answer is **Option 4** i.e. **Rs. 19,80,000**.

Successive increase of a% and b% on a certain value 'x' will result the original value to  $x(1 + a\%)(1 + b\%)$

Given x = Rs. 15,00,000

a = 10%

b = 20%

Sarita's salary =  $15,00,000 \times (1 + 10\%) \times (1 + 20\%)$

=  $1500000 \times 1.1 \times 1.2$

=  $1500000 \times 1.32$

= Rs. 1980000

**Q:6** The correct answer is **option 4** i.e. **20%**

Selling Price = Marked Price (1 - Discount %)

Also, Selling Price = Cost Price (1 + Profit %)

Given Cost Price = Rs. 1200

Marked Price = Rs. 1920

Discount = 25%

Selling Price =  $1920(1 - 25\%)$

=  $1920 [1 - (25/100)]$

=  $1920 [1 - (1/4)]$

=  $(3/4) \times 1920$



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= Rs. 1440

Also Selling Price = Cost Price (1 + Profit %)

1440 = 1200 (1 + Profit %)

(1 + Profit %) = (1440/1200)

(1 + Profit %) = 1.2

Profit % = 1.2 - 1 = 0.2

Profit = 20%

**Q:7** The correct answer is **Option 3** i.e. **14%**

Let the cost price per kg be x.

selling price per kg = x - 0.2x = 0.8x

Now, in each kg, she actually weights 30% less i.e. 0.7 kg.

Hence, she is selling 0.7 kg at 0.8x

So, she will be selling 1 kg at: 0.8x/0.7 = 1.142x

Hence, Profit percentage = [(1.142x - x)/x] × 100 = 14% (Approx)

**Q:8** The correct answer is **option 2** i.e. **68%**.

Total matches played by India in all three years = 24 + 36 + 15 = 75

Matches won in 2011 = 50% of 24 = 12

Matches won in 2012 = 75% of 36 = 27

Matches won in 2013 = 80% of 15 = 12

Total matches won = 12 + 27 + 12 = 51

Required percent = (51/75) × 100 = 68%

**Q:9** The correct answer is **Option 1** i.e. **Rs. 30,000**.

Suppose his monthly salary = Rs. 100x



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According to the question:

Remaining salary after savings =  $100x \times 0.9 \times 0.7 = 63x$

Suppose he spends  $3y$  and  $4y$  on medicine and groceries respectively.

So,  $7y = 63x$

$y = 9x$

Expenditure on medicine was Rs. 8100

So,  $3 \times 9x = 8100$

$x = 300$

Hence, Monthly salary = Rs. 30000

**Q:10** The correct answer is **Option 3** i.e. **94.44%**

Let the number be 'x'.

From the question:

$x \times 2 - x/4 = 525$

$8x - x = 2100$

$x = 300$

The number = 300

Now, When the number is multiplied by 3, the resultant value =  $300 \times 3 = 900$

When the number is divided by 6, the resultant value =  $300/6 = 50$

Difference =  $900 - 50 = 850$

Required percentage =  $(850/900) \times 100 = 94.44\%$

So, this is it for today. We will meet again with another new topic. Till then, you can practice the questions again by downloading the PDF of Percentage.