

## 8

## PERCENTAGE

**Q1. Match the following percentages with their equivalent decimals:**

Percentage	Decimal
1.9%	0.0019
19%	0.19
190%	0.019
0.19%	1.9

**Q2. Convert the following decimals into percentages:**

- a. 0.03 = \_\_\_\_\_  
b. 2.75 = \_\_\_\_\_  
c. 195 = \_\_\_\_\_

**Q3. Fill in the blanks:**

- a. 2.5% of 350 grams = \_\_\_\_\_ grams  
b. 10.05% of 5 L = \_\_\_\_\_ litres  
c. 1.8% of 6.4 km = \_\_\_\_\_ metres  
d. 81% of ₹ 90 = ₹ \_\_\_\_\_

**Q4. Find the value of x for each of the following:**

- a. 9.5% of x is 8.36 metres  
x = \_\_\_\_\_  
b. x% of ₹ 618 is ₹ 80.34  
x = \_\_\_\_\_

**Q5. Shyam spends 88% of his income and saves the rest. If he saves ₹ 2400 every month, find his monthly income.**

Answer: \_\_\_\_\_

**Q6. Ranjan, Arun and Shruti scored the following marks in their respective algebra test:**

Ranjan – 9 out of 15

Arun – 18 out of 25

Shruti – 15 out of 20

Whose performance was the best?

Answer: \_\_\_\_\_

**Q7. Karan had read 20% of the novel on Friday and 25% of the remaining novel on Saturday. If 120 pages are still left to be read, find the number of pages in the book.**

Answer: \_\_\_\_\_

**Q8. The cost of fertilizer has increased by 25%. By how much should the usage of fertilizer be decreased by the farmer, so that the expenditure on fertilizer remains the same?**

Answer: \_\_\_\_\_

**Q9. Reshma had ordered 120 bedsheets. On receiving the carton, she found that there were 80 blue bedsheets and the rest were green. If 5% of blue bedsheets and 15% of green were damaged, find:**

a. The percentage of bedsheets that were received in good condition.

Answer: \_\_\_\_\_

b. The percentage of bedsheets that were damaged.

Answer: \_\_\_\_\_

**Q10. If each side of a square is increased by 15%, find the percentage increase in area.**

Answer: \_\_\_\_\_

## Answers

1.

Percentage	Decimal
1.9%	0.019
19%	0.19
190%	1.9
0.19%	0.0019

2. a. 3%; b. 275%; c. 19500%

3. a. 8.75; b. 0.5025; c. 115.2; d. 72.90

4. a. 88 metres; b. 13

5. ₹ 20,000

6. Shruti's performance was the best.

7. 200 pages

8. 20% decrease in the usage of fertilizer

9. a.  $91\frac{2}{3}\%$  ; b.  $8\frac{1}{3}\%$

10. 32.25%