

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

Percentage	Fraction
20%	$\frac{1}{40}$
0.2%	$\frac{1}{4}$
2.5%	$\frac{1}{5}$
25%	$\frac{1}{500}$

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

a.  $\frac{2}{100} =$  \_\_\_\_\_

b.  $\frac{1}{8} =$  \_\_\_\_\_

c.  $2\frac{1}{20} =$  \_\_\_\_\_

**Q3. Fill in the blanks:**

a. 15% of 750 ml = \_\_\_\_\_ ml

b. 4% of 1.29 kg = \_\_\_\_\_ grams

c. 1.2% of 80 km = \_\_\_\_\_ metres

d. 0.05% of ₹ 25 = ₹ \_\_\_\_\_

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

a. 1.5% of x is 7.5 kg

x = \_\_\_\_\_

b. x% of ₹ 1025 is ₹ 123

x = \_\_\_\_\_

**Q5.** Atul saved 15% of his income every month, thus saving ₹ 72,000 in the past year. Find his monthly income.

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

**Q6.** 40% students of a class liked science fiction novels, whereas the remaining 36 children preferred adventure novels. Find the total strength of the class.

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

**Q7.** Out of the 40 students of a class, 30 students like chocolates, 24 students like ice-creams and 14 like both chocolates and ice-creams. Find the percentage of students who like:

a. only chocolates.

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

b. only ice-creams.

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

**Q8.** Ishita's pocket money was increased by 20%, but decreased by 20% in the next month. Find the net percentage increase or decrease in Ishita's pocket money.

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

**Q9.** If A has 10% more marbles than B and B has 20% more marbles than C, then find the ratio among the number of marbles each of them have.

Number of marbles with A : B : C = \_\_\_\_\_

**Q10.** Amit scored 20% less marks in the second test than what he scored in the first. By what percentage should he increase his performance in the third test, so that he scores equivalent to what he scored in the first test?

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

## Answers

1.

Percentage	Fraction
20%	$\frac{1}{5}$
0.2%	$\frac{1}{500}$
2.5%	$\frac{1}{40}$
25%	$\frac{1}{4}$

2. a. 2%; b. 12.5%; c. 205%

3. a. 112.5; b. 51.6; c. 960; d. 0.0125

4. a. 500 kg; b. 12

5. ₹ 40,000

6. 60 students

7. a. 40%; b. 25%

8. 4% decrease

9. 33 : 30 : 25

10. 25%