Percentage

Q1. **A 5 kg bag of mixed grains contains 2 kg 150 gm of wheat, 300 gm maize and the rest was ragi. Find the percentage of ragi in the bag.**

Percentage of ragi: _____

Q2. **Fill in the blanks:**

a. If Sudha typed 50 words in a page out of which 15 are spelt incorrectly, her typing accuracy is _____%.

b. Shamit bought 2 dozen bananas out of which 3 bananas were rotten. The percentage of good bananas is _____.

c. If $\frac{2}{5}$ = 40%, then $\frac{12}{30}$ = _____%.

Q3. **Match the following percentages with their equivalent fractions:**

27.5%	$2\frac{3}{10}$
230%	$2\frac{13}{50}$
226%	$\frac{9}{50}$
18%	$\frac{11}{40}$

Q4. **In a toy manufacturing unit, 23.5% toys are manufactured for teenagers. Out of the 400 toys manufactured today, how many toys will be for teenagers?**

Answer: _____

Q5. At an eye checkup camp it was found that in a class of 60 students, 15% children had poor eyesight. The class teacher has to write a note in the diary of every child who has poor eyesight asking their parents to refer an eye specialist as soon as possible. Find the number of children having good and poor eyesight and fill in the table given below and answer the following question:

Result of eye checkup	% of students	Number of students
Good eyesight	_____	_____
Poor eyesight	15%	_____

In how many diaries will the teacher write the note?

Answer: _____

Q6. Fill in the blanks:

a. 20% of ₹2 is _____ paise.

b. _____ % of 8.75 kg is 1.4 kg.

c. 3% of _____ litres is 60 ml.

d. 8.5% of 900 cm is _____ cm.

Q7. If x% students in a class of y students play table tennis and the rest play badminton choose the correct option for the following questions:

a. Find the number of students who play table tennis.

   i. $\dfrac{xy}{100}$

   ii. $y - \dfrac{xy}{100}$

   iii. $100 - \dfrac{xy}{100}$

b. Find the number of students who play badminton.

   i. $\dfrac{xy}{100}$

   ii. $y - \dfrac{xy}{100}$

   iii. $100 - \dfrac{xy}{100}$

    c.   What percentage of students play badminton?
       i. $(100 - x)\%$
       ii. $(x - 100)\%$
       iii. $(y - x)\%$

Q8. **Mrs. Rashmi bought a pizza for her two daughters. Her daughters Neelima and Sakshi ate 25% and 30% of the pizza respectively. They left the rest of the pizza for their mother. Find the ratio of the pizza eaten by Neelima, Sakshi and Rashmi.**

Answer: _____

Q9. **Ravi left from his house for his village. He covered 30% of the distance by car, 65% by train and the rest on foot. Find the ratio of the distance travelled by Ravi by car to the distance travelled on foot.**

Answer: _____

Q10. **The price of a particular share at the stock market was ₹750. The price of the share decreased by 12% in the morning, but increased by 12% in the evening. Based on the given information answer the following questions:**

    a.   What would be the price of the share in the evening?

    _____

    b.   Find the net percentage increase or decrease in the price of the share from morning to evening.

    _____

Answers

1. 51%

2. a. 70%; b. 87.5%; c. 40%

3.

27.5%	$\frac{11}{40}$
230%	$2\frac{3}{10}$
226%	$2\frac{13}{50}$
18%	$\frac{9}{50}$

4. 94 toys

5.

Result of eye checkup	% of students	Number of students
Good eyesight	85%	51
Poor eyesight	15%	9

9 diaries

6. a. 40; b. 16; c. 2; d. 76.5

7. a. (i); b. (ii); c. (i)

8. 5 : 6 : 9

9. 6 : 1

10. a. ₹739.20; b. 1.44% decrease