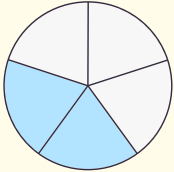
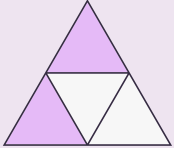
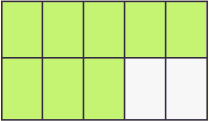


Percentage

Q1. Match the fractions with their equivalent percentages:

$\frac{2}{5}$	12%
$\frac{3}{25}$	340%
$\frac{1}{4}$	40%
$3\frac{2}{5}$	25%

Q2. Fill in the fraction and percentage of the shaded portion in each of the following figures:

Figure	Fraction of the shaded part	Percentage of the shaded part
	$\frac{\square}{\square}$	_____
	$\frac{\square}{\square}$	_____
	$\frac{\square}{\square}$	_____

Q3. Find the number of blue balls in the given figure and find their percentage by filling in the blanks:



Number of blue balls : _____

Fraction of blue balls (reduced to lowest terms) : $\frac{\square}{\square}$

Percentage of blue balls : _____

Q4. Express the following fractions as per cent and fill in the blanks:

a. $\frac{7}{8} =$ _____

b. $7\frac{3}{5} =$ _____

Q5. Convert the percentage into fractions and fill in the blanks with the appropriate number:

a. Shipra scored 65% in the class test. She scored _____ marks out of 20.

b. 25% items in the grocery bag are fruits. If the grocery bag weighs 4 kg there are _____ grams of fruits in the bag.

c. In a class there are 40% girls. If there are 50 students in the class the number of girls should be _____.

Q6. Express the following percentages as fractions (reduced to lowest terms):

a. $35\% = \frac{\square}{\square}$

b. $72\% = \frac{\square}{\square}$

c. $24\% = \frac{\square}{\square}$

Q7. Convert the following decimals into their equivalent percentage:

a. $0.2 = \underline{\hspace{2cm}} \%$

b. $2.67 = \underline{\hspace{2cm}} \%$

c. $0.981 = \underline{\hspace{2cm}} \%$

d. $6.5 = \underline{\hspace{2cm}} \%$

Q8. Convert the following percentage into their equivalent decimals or vice versa and fill in the missing entries in the table given below:

Percentage	Decimal
35%	
	2.65
	0.97
10%	

Q9. Sunita scored 9 marks out of 15 in her Hindi test. Shyama scored 75% in the same test. Whose score is higher?

Answer: _____

Q10. Fill in the blanks against each of the following fractions in the given table and arrange the fractions in ascending order:

Fraction	Fraction with denominator 100	Percentage	Decimal
$\frac{7}{25}$			
$\frac{7}{10}$			
$\frac{3}{10}$			
$\frac{3}{20}$			

Fractions in ascending order : $\frac{\square}{\square} < \frac{\square}{\square} < \frac{\square}{\square} < \frac{\square}{\square}$

Q11. In a bag of mixed grains, 20% of grains were wheat. If the total weight of the bag was 2 kg, find the quantity of wheat in the bag.

Answer: _____

Q12. In a dance troupe the percentage of female dancers was 45%. If the troupe had 40 dancers how many female dancers were there in the troupe?

Answer: _____

Q13. State true or false:

- a. 25% of 20 litres is 0.5 litres. _____
- b. $3\frac{1}{2}\%$ of ₹500 is ₹17.5. _____
- c. 200 grams is 20% of 2 kg. _____
- d. 1 metre is 50% of 500 cm. _____

Q14. Rashmi made a cool refreshing drink using sugar syrup, honey, lime juice and water. She poured the drink in a 200 mL glass. Find the quantity of sugar syrup in the glass if the percentage of each ingredient is as follows:

Ingredient	Percentage
Sugar Syrup	30%
Honey	5%
Lime juice	15%
Water	50%

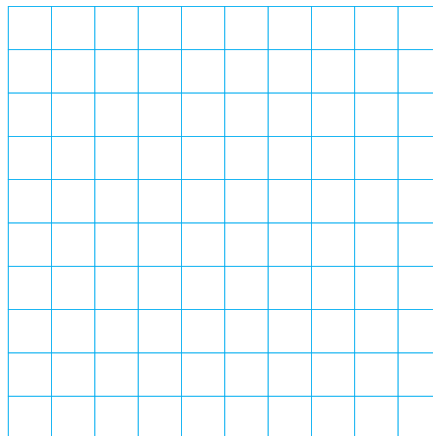
Answer: _____

Q15. $\frac{3}{4}$ of the class wanted to go to Shimla on a vacation. If there are 20 students in the class, answer the questions given below:

a. How many students want to go to Shimla?

b. Express the fraction of students who want to go to Shimla as a percentage.

c. Express the percentage calculated above by shading the appropriate number of squares in the given figure:

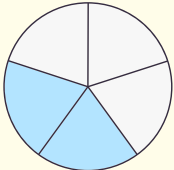
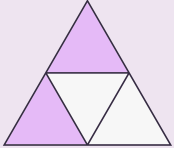
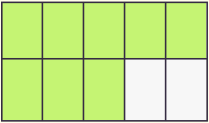


ANSWERS

1.

$\frac{2}{5}$	40%
$\frac{3}{25}$	12%
$\frac{1}{4}$	25%
$3\frac{2}{5}$	340%

2.

Figure	Fraction of the shaded part	Percentage of the shaded part
	$\frac{2}{5}$	40%
	$\frac{2}{4}$	50%
	$\frac{8}{10}$	80%

3. Number of blue balls: 2; Fraction of blue balls: $\frac{1}{4}$; Percentage of blue balls: 25%

4. a. 87.5%; b. 760%

5. a. 13; b. 1000; c. 20

6. a. $\frac{7}{20}$; b. $\frac{18}{25}$; c. $\frac{6}{25}$

7. a. 20%; b. 267%; c. 98.1%; d. 650%

8.

Percentage	Decimal
35%	0.35
265%	2.65
97%	0.97
10%	0.1

9. Shyama's score is higher

10

Fraction	Fraction with denominator 100	Percentage	Decimal
$\frac{7}{25}$	$\frac{28}{100}$	28%	0.28
$\frac{7}{10}$	$\frac{70}{100}$	70%	0.7
$\frac{3}{10}$	$\frac{30}{100}$	30%	0.3
$\frac{3}{20}$	$\frac{15}{100}$	15%	0.15

Fractions in ascending order: $\frac{3}{20} < \frac{7}{25} < \frac{3}{10} < \frac{7}{10}$

11. 400 grams

12. 18 female dancers

13. a. False; b. True; c. False; d. False

14. 60 mL

15. a. 15 students; b. 75%; c.
