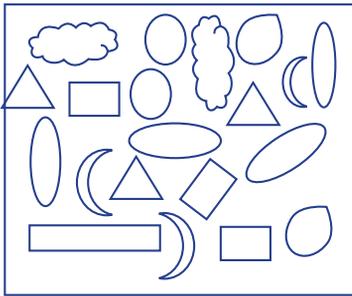


# Percentage

**Q1. Find the percentage of polygons in the following figure:**



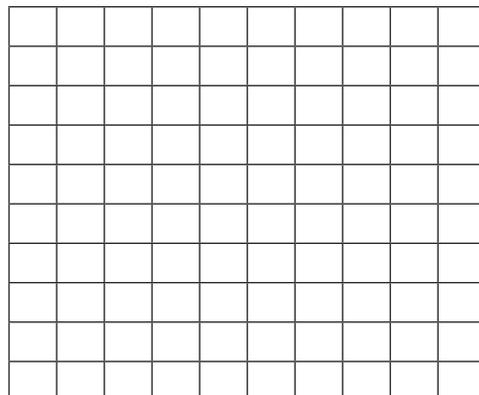
Percentage of polygons : \_\_\_\_\_

**Q2. Match the following fractions with their equivalent percentage:**

$3\frac{1}{4}$	762.5%
$7\frac{5}{8}$	76.25%
$\frac{13}{40}$	325%
$\frac{61}{80}$	32.5%

**Q3. Convert the following percentage into fraction and shade the appropriate number of squares in the grid to express the fraction:**

$$32\% = \frac{\square}{\square}$$



**Q4.** In an aptitude test Rahul got 74.5%. If the test paper had 200 questions, and each question carries same marks, how many questions were correctly attempted by Rahul?

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

**Q5.** In a school library 20% books are on general awareness, 26% books are fictional and the rest are course books. If the total number of books in the library is 5250, find the number of books of each type and fill in the table below:

Type of book	% of books	Number of books
General awareness	20%	_____
Fictional	_____	_____
Course books	_____	_____

**Q6.** Fill in the blanks:

- 15% of \_\_\_\_\_ kg is 225 g.
- 16% of ₹16 is ₹ \_\_\_\_\_.
- \_\_\_\_\_ % of 2 kg is 25 gm.
- 7.5% of 5 litres is \_\_\_\_\_ ml.

**Q7.** Out of  $x$  dozen apples 20% were grown in an organic farm. On the basis of the given information choose the correct option for the questions given below:

- How many apples were grown in the organic farm?
  - $\frac{1}{5}x$
  - $\frac{4}{5}x$
  - $2\frac{2}{5}x$
- What percentage of apples were grown in a usual farm?
  - $(100 - x)\%$
  - 80%
  - $(20 - x)\%$
- How many apples were NOT grown in the organic farm?
  - $\frac{3}{5}x$

ii.  $9\frac{3}{5}x$

iii.  $\frac{4}{5}x$

**Q8. The distance between Rakesh's home and school is 2 km. He started from his home, but after 100 m he realized he had forgotten his mathematics book at home. On the basis of the above information write True or False for the following statements:**

- a. Ratio of the distance he has covered to the distance left to reach school is 1:19. \_\_\_\_\_
- b. Rakesh has covered 15% of the total distance from his home to school. \_\_\_\_\_
- c. If Rakesh would have walked 900 m more, he would have covered 50% of the total distance from his home to school. \_\_\_\_\_

**Q9. Mr. Kamal bought 5 kg fruits from which Ashi ate 20% and Himani ate 15%. The remaining fruits were distributed amongst the other family members. Find the ratio of the quantity of fruits eaten by Ashi and Himani together to the quantity distributed amongst the other members.**

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

**Q10. Onions were sold at ₹25 per kg in January and at ₹62.50 per kg in February. Based on the above information answer the following questions:**

- a. Find the percentage increase or decrease in the price of onions  
\_\_\_\_\_
- b. By how much per cent should Mrs. Lakshmi increase or decrease the consumption of onions for her family so that her expenditure on onions remains the same?  
\_\_\_\_\_
- c. If the price is increased by 5% in March, what would be the price of 2 kg onions in March?  
\_\_\_\_\_

## Answers

1. 35%

2.

$3\frac{1}{4}$	325%
$7\frac{5}{8}$	762.5%
$\frac{13}{40}$	32.5%
$\frac{61}{80}$	76.25%

3.  $\frac{8}{25}$


4. 149 questions

5.

Type of book	% of books	Number of books
General awareness	20%	1050
Fictional	26%	1365
Course books	54%	2835

6. a. 1.5 ; b. 2.56; c. 1.25; d. 375

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

8. a. True; b. False; c. True

9. 7:13

10. a. 150% increase; b. decreased by 60%; c. ₹131.25