

Introduction to percentage

A. Choose the correct answer:

1. 25% of 200 is

- a) 25
- b) 50
- c) 75
- d) 100

2. Which of the following is equal to $\frac{1}{4}$?

- a) 10%
- b) 20%
- c) 25%
- d) 40%

3. 60% of a number is 90. What is the number?

- a) 120
- b) 130
- c) 140
- d) 150

4. Which of the following is greater?

- a) 35% of 400
- b) 25% of 500
- c) 50% of 250
- d) 40% of 300

5. 100% of any number is

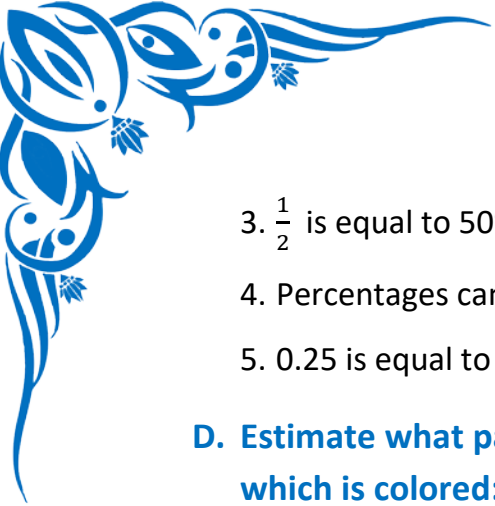
- a) 1
- b) 0
- c) the number itself
- d) 100

B. Write the Missing Terms to Complete the Sentences:

1. Percent means per _____.
2. 50% of 80 is _____.
3. 10% written as a fraction is _____.
4. $\frac{75}{100}$ in percentage form is _____.
5. To find the percentage of a number, we multiply the number by _____.

C. Mark each sentence with a True (✓) or False (X):

1. 10% of a number is the same as $\frac{1}{10}$ of it. _____
2. 100% of any number is greater than the number itself. _____



3. $\frac{1}{2}$ is equal to 50%. _____

4. Percentages can only be used for whole numbers. _____

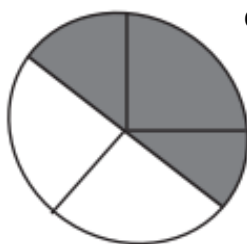
5. 0.25 is equal to 25%. _____

D. Estimate what part of the figures is colored and hence find the percentage which is colored:

a.



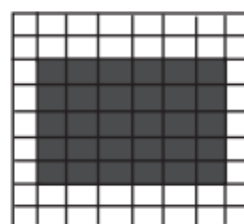
b.



c.



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E. Figure out the answers to these questions:

1. Convert $\frac{3}{5}$ into percentage.

2. Find 30% of 450.

3. A boy scored 18 marks out of 20 in a test. What is his percentage score?

4. Express 0.45 as a percentage.

5. A girl got 240 out of 300 in an exam. Calculate her percentage marks.

F. Challenge yourself with these questions:

1. If a student got 72 marks out of 80, what percentage did he score.

2. A shop gives 20% discount on an item priced at Rs. 250. How much is the discount.

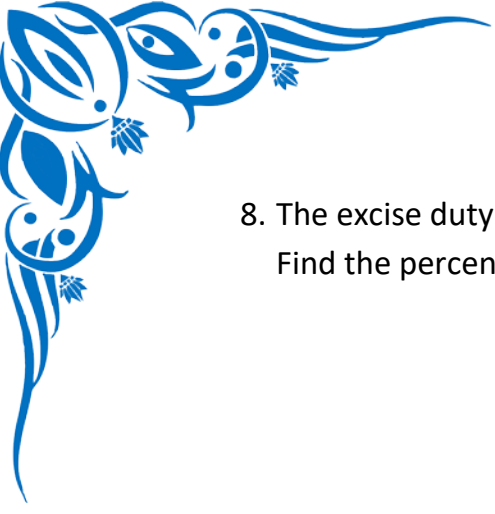
3. Convert $\frac{5}{8}$ into percentage.

4. If 80% of a number is 64, find the number.

5. A bottle is filled with 60% water. If the bottle can hold 2 litres, how much water is in it.

6. The salary of an HR was increased by 11% if his present salary is Rs. 12575, what was it before increment?

7. 60% of the population of a city are men and women. If the number of children is 400, find the number of men and women in the city?



8. The excise duty on a certain item has been reduced to Rs. 580 from Rs. 830.
Find the percentage reduction in the excise duty for that item.