Percent

A. Choose the correct answer:

1. What is 25% of 160?
  a) 20   b) 30
  c) 40   d) 50

2. If 60% of a number is 48, what is the number?
  a) 60   b) 70
  c) 80   d) 90

3. What percent is 18 out of 45?
  a) 20%   b) 30%
  c) 40%   d) 50%

4. The price of a shirt increases from ₹400 to ₹460. What is the percentage increase?
  a) 10%   b) 12%
  c) 15%   d) 18%

5. A student scored 360 marks out of 600. What is his percentage score?
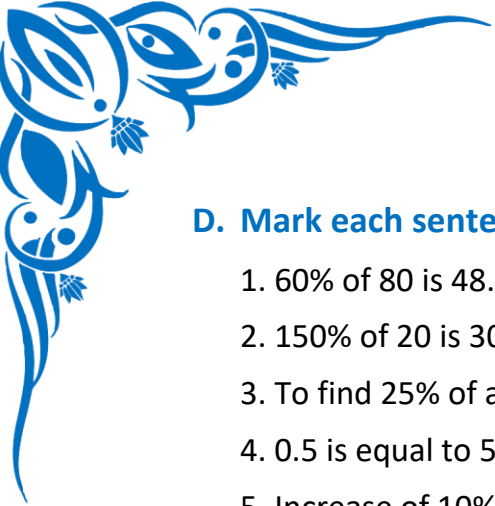 a) 50%   b) 55%
  c) 60%   d) 65%

B. Write the Missing Terms to Complete the Sentences:

1. $\frac{1}{4}$ is equal to _____ percent.

2. If 35% of a number is 21, the number is _____.

3. A quantity increases from 80 to 100, the percentage increase is _____.

4. 5% of 200 is _____.

5. To express 0.75 as a percent, we write _____.

C. Figure out the answers to these questions:

1. Find the number which when increased by 25% becomes 500.

2. In a class, 70% of students passed an exam. If there are 60 students, how many failed?

3. A shopkeeper gives 10% discount on ₹1200. Find the selling price.

4. A man saves 25% of his income. If his savings are ₹5000, find his income.

5. If a number is increased by 20%, it becomes 180. Find the original number.

D. Mark each sentence with a True (✔) or False (✗):

1. 60% of 80 is 48. _____

2. 150% of 20 is 30. _____

3. To find 25% of a number, we divide it by 4. _____

4. 0.5 is equal to 50%. _____

5. Increase of 10% followed by 10% increase is equal to 20% overall increase.

_____

E. Challenge yourself with these questions:

1. A car's value decreases by 20% every year. If its present value is ₹500000, find its value after one year.

2. 45% of a number is 135. Find the number.

3. A student scored 70% marks in 5 subjects each of 100 marks. Find total marks obtained.

4. Find the percentage decrease when a number decreases from 500 to 400.

5. By what percent is $\frac{3}{5}$ more than $\frac{2}{5}$?