

SRM Axis Intellects - CAREER DEVELOPMENT CENTRE

ASSIGNMENT SHEET CAC18201 / QUANTITATIVE APTITUDE AND LOGICAL REASONING

YEAR/ SEM: II/03

TOPIC : Percentages

WEEK: 01

UNIT: 1

- 1) If 45 is 120% of a number, then what is 80% of the same number?
A) 30 B) 32 C) 36 D) 38
- 2) What is 45.45 % of 77?
- 3) The number of employees in a company decreased from 40 to 28. What is the percentage decrease in the number of employees?
A) 30 B) 25 C) 28 D) 12
- 4) If the price of petrol increases by 25% and Kevin intends to spend only an additional 15% on petrol, then by what percentage must he reduce the quantity of petrol purchased?
A) 6.67% B) 10% C) 8% D) None of these
- 5) The price of tea has increased by 25%. The percentage of reduction that a family should effect in the use of tea so as not to increase expenditure on this account is
A) 25 B) 20 C) 30 D) None of these
- 6) A housewife saved Rs. 2.50 in buying an item on sale. If she spent Rs. 25 for the item, approximately how much percentage did she save in the transaction?
A) 8 B) 9 C) 10 D) 11
- 7) What will be the percentage change in expenditure if the price of a commodity increases by 15% and the consumption goes up by 10%?
A) 26% B) 27% C) 26.5% D) 28.5%
- 8) A shepherd has 1 million sheep at the beginning of the year 2000. The numbers grow by $x\%$, ($x > 0$) during the year. A famine hits his village in the next year and many of his sheep die. The sheep population decreases by $y\%$ during 2001 and at the beginning of 2002 the shepherd finds that he is left with 1 million sheep. Which of the following is correct?
A) $y > x$ B) $x = y$ C) $x > y$ D) $xy = 0$
- 9) What is the fractional value of 42.85?
- 10) A car increases its speed by 25%. After that, it again increases its speed by 20%. By what percentage is the car's final speed greater than its original speed?
A) 20 B) 50 C) 25 D) 12.5