Comparing Quantities: Worksheet -13

1. If an article is purchased for Rs.200 and is sold at 10% loss, then the S.P of the article is : [   ]

   A) Rs. 190   B) Rs. 200   C) Rs. 180   D) Rs. 175

2. The C.P of a cycle is Rs. 1400 and if it is sold for Rs. 1540, then the profit percentage is : [   ]

   A) 5%   B) 10%   C) 2.5%   D) 12.5%

3. The diagram shows the prices of pencil case and a pen. The price of a story book is 85% of the total cost of a pencil case and 3 pens.[   ]

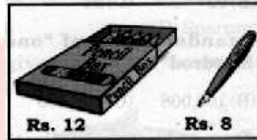   Price of the story book is :

     A) Rs.17

     B) Rs. 20

     C) Rs. 30.60

     D) Rs. 54

4. Anne's running speed is 10% faster than John's. John is given a head start by being allowed to start from the 10m mark in a 100 m race. Who will win the race ? [   ]

   A) Anne will win   B) John will win

   C) It will be a draw   D) It cannot be determined

5. On what sum of money lent out at 9% per annum for 6 years does the simple interest amount to Rs.810 ? [   ]

   A) Rs.500   B) Rs.1,250   C) Rs.750   D) Rs.1,500

6. The simple interest on a sum of money is $\frac{4}{9}$ times the principal and the rate of interest per annum is numerically equal to the number of years. Find the rate of interest per annum. [   ]

   A) $\frac{10}{3}$ %   B) $\frac{15}{3}$ %   C) $\frac{20}{3}$ %   D) $\frac{15}{2}$ %

7. A certain sum becomes 3 times itself in 6 years at simple interest. In how many years will it become 9 times itself?   [   ]

    A) 18   B) 20   C) 24   D) 22

8. A certain sum becomes Rs. 6400 in 4 years and Rs. 8200 in 7 years at simple interest. Find the principal.   [   ]

    A) Rs. 4000   B) Rs. 4200   C) Rs. 4400   D) Rs. 40000

9. A sum of money amount to Rs. 2000 in 3 years and Rs.2500 in 5 years at simplest interest. Find the rate of interest per annum.[   ]

    A) $33\frac{1}{3}\%$ B) $12\frac{1}{3}\%$ C) 25%   D) 20%