

Q) A man invests Rs.4500 since,  
in shares of company which  
is paying 7.5% dividend.If  
Rs.100 shares are available  
for discount 10%

$$\text{annual income} = \frac{\text{no.} \times \text{dividend} \times \text{fv}}{100}$$

$$\text{so annual income} = 50 \times 7.5 = \text{Rs.}375.$$

Find:

1)number of shares he purchased.

2)his annual income.

Ans:Given,

Investment = Rs.4500

Dividend = 7.5 %

share = Rs . 100

final amount(fv) = 100-  
10% of 100  
= 100 -10  
=Rs . 90

$$\text{number of shares} = \frac{\text{investment}}{\text{final amount}}$$

$$\text{number of shares} = \frac{4500}{90} = 50$$