

Use the formula for Simple Interest:

$$SI = \frac{P \times R \times T}{100}$$

Where:

- SI = Simple Interest
- P = Principal amount
- R = Rate of interest (which we need to find)
- T = Time in years

Substitute the known values into the formula:

$$4500 = \frac{15000 \times R \times 5}{100}$$

Rearranging the equation to solve for R:

- Multiply both sides by 100 to eliminate the fraction:

$$4500 \times 100 = 15000 \times R \times 5$$

$$450000 = 75000R$$

Divide both sides by 75000 to isolate R:

$$R = \frac{450000}{75000}$$

Calculate R:

$$R = 6$$

Conclusion:

The rate of interest is 6%.