Simple Interest

$$T = \frac{PRT}{100}$$
 where $P = Pr$

$$R = Ar$$

T = Time in years

Ex Find the simple interest when £2500 is invested for 4 years at 3 % per annum

$$T = \frac{2500 \times 3 \times 4}{100} = £300$$

Formula can be rearranged to give 100I = PRT

$$P = \frac{100T}{RT} \qquad R = \frac{100T}{PT} \qquad T = \frac{100T}{PR}$$

Ex £4000 was invested for 2 years and the simple interest received was £560. What was annual rate of interest.

$$R = \frac{100 \, \text{T}}{P \, \text{T}} = \frac{100 \, \text{x} \, 560}{(4000 \, \text{x} \, \text{2})} = 7 \, \text{/}$$

Exercise

Find the missing quantify.

R 4% 2600 4120 3% £ 800 4 years 496 2) 2% 10 years £1000 £200 2% 8 jears £500 280 4)