Interest

(Simple and Compounds)

I= PRT

I= Intrest

Pa Principal
Rake of itrect

T = Time left for

Exercise 25

- 1. Calculate: P T R

 a) the simple interest on \$1200 for 3 years at 6% per annum
 - b) the simple interest on \$700 at 8.25% per annum for 2 years
 - c) the length of time for \$5000 to earn \$1000 if invested at 10% per annum
 - d) the length of time for \$400 to earn \$160 if invested at 8% per annum.
- 2. Khalid invests \$6750 at 8.5% per annum. How much interest has he earned and what is the total amount in his account after 4 years?
- 3. Petra invests \$10 800. After 4 years she has earned \$3240 in interest.

b)
$$T_2 = 700 \times 8.25 \times 2$$
 1000 = 7

$$T = 6750 \times 8x$$

$$T = 8'2295$$

$$T.P = 190$$

$$T = 190$$

Compound Intrest

P= ArinCripal
R= Rate p.a
T= No. Of years

\$ 2180

Exercise 26 : Compound interest

- 1. A bank pays interest of 9% on money in deposit accounts. Carme puts \$2000 in the bank. How much has she after a) one year, b) two years, c) three years?
 - 2. A bank pays interest of 11%. Mamuru puts \$5000 in the bank. How much has he after a) one year, b) three years, c) five years?
 - 3. A student gets a grant of \$10 000 a year. Assuming her grant is increased by 7% each year, what will her grant be in four years time?

1: (b)
$$2000 (100 + 9)^2$$
 (c) $2000 (100)^2$ (c) $2000 (109)^2$ $1000 (100)^2$ $1000 (100)^2$ $1000 (100)^2$



