8.1.4

Gr 8 Wiskunde | Mathematics

Finansies | Finance (2)

1. BTW / VAT

a) BTW uitgesluit / Excluding VAT

 N^B R... $\times \frac{115}{100}$

By in Boek kos R200, BTW uitgesluit Hoeveel sal die boek wees met BTW ingesluit?

A book costs R200, excluding VAT. Determine the price of the book, including VAT.

 $RB = R200 \times \frac{115}{100}$ Bedrag BTW = 230 - 200 Amount VAT = R30.

b) BTW ingesluit / VAT included

NB R ... X 100

By 'n Boek kos R200, BTW ingesluit. Bereken die prys van die boek, voor BTW?

A book costs R200, including VAT. Calculate the price before VAT was added.

NB R 200 $\times \frac{100}{115}$ = R 173,9130435

= R 173,91

.4			
2.	Enkelvoudige Rente Simple Interest		
	Findhodrag $A = P(1+1 \times N)$ tydperk (jare)		
	Cinabearay /		
	- Mariante		
	Initial starting interest race		
	d)R400 000) word vir 5 jaar belê teen 'n enkelvoudige		
	rentekoers van 9% per jaar. Bereken die bedrag in		
	die rekening na die 5 jaar.		
	(R400 000) is invested for 5 years at a simple in-		
	terest rate of 97.) per year. Calculate the amount		
	in the account after 5 years.		
	$A = P(1+i\times n) \qquad A = ?$		
	$A = 400000 \left(1 + \frac{9}{100} \times 5 \right) \qquad P = 400000$ $A = 580000 \qquad i = 9 / . = \frac{9}{100}$		
	71 5000		
	:. R580,000, n = 5 jr/yrs		
Deliga was lo igas bolê toon 12°1			
	b) 'n Bedrag word vir 10 jaar belê teen 12°10 en- kelvoudige rente per jaar. As daar aan die einde		
	R850 000 in die rekening is hoeveel het jy belê?		
An amount is invested for 10 years @ 12°1. six			
	interest per year. If the amount grew to		
interest per year. If the amount grew to R850 000 in 10 years, how much did you invest			
	A = P(1 + ixn) $A = 850 000$		
	$850000 = P(1 \pm \frac{12}{100} \times 10)$ Kry Palleen $P = ?$		
	$A = P(1 + i \times h)$ $\frac{850\ 000}{(1 + i \frac{12}{100} \times 10)} = P(1 \pm \frac{12}{100} \times 10)$ $\frac{850\ 000}{(1 + i \frac{12}{100} \times 10)} = P(1 \pm \frac{12}{100} \times 10)$ $\frac{12}{(1 + i \frac{12}{100} \times 10)} = \frac{12}{(1 + i \frac{12}{100} \times 10)}$ $\frac{12}{(1 + i \frac{12}{100} \times 10)} = \frac{12}{(1 + i \frac{12}{100} \times 10)}$ $\frac{12}{(1 + i \frac{12}{100} \times 10)} = \frac{12}{(1 + i \frac{12}{100} \times 10)}$		
	386363,6364 = P $n = 10 jr/yrs$		
	:. P = R386363,64		

3			
3.			
	Le Enkelvoudige rente Le Simple interest 1. Deposito Deposit R × 100 2. Oorblywende bedrag Remaining amount R dep.		
3. Rente op oorblywend / Interest on remaining $A = P(1 + i \times n)$ Le Oorblywend / Remaining			
	?		
	5. Maandelikse paaiement = A maande	/ Monthly instalment A months	
a)	die TV is R20 000. Jy	hire purchase agreement. The price of the TV is R20000. You pay a deposit of 15% and the re-	
	1) Deposito Deposit R20000 X 18 = R4000		

- 2) R20000 R4000
 - = R 16000 Jy skuld NOG R16000 You OWE R16000
- 3) $A = P(1 + i \times n)$ $A = A = 16000 (1 + \frac{18}{100} \times 3)$ P = 16000 A = R24640 $i = 18\% = \frac{18}{100}$ n = 3
- 4) Rente | Interest = A P= 24640 - 16000 = R8640
- 5) Maandeliks | Monthly = $\frac{A}{M}$ 3 jaar = 36 maande = $\frac{24640}{36}$ 3 years = 36 months = 684, 44444 ... = 864, 44
 - Lees die vrae baie mooi deur!

 boskryf neer soos jy gaan...

 Read the questions carefully!

 bowrite down as you go...