8.1.2 0 a) b)

Gr 8 Wiskunde | Mathematics

Telgetalle / Whole Numbers (2)

- Produk van priemfaktore / Product of prime factors "Leertjie"
- 36 24:36 18 3 3 1/
 - $= 2 \times 2 \times 3 \times 3$ $= 2^2 \times 3^2$

84 2484 $= 2 \times 2 \times 3 \times 7$ 42 $= 2^2 \times 3 \times 7$ 3 21 ٦ 1 ~

KGV en GGF / LCM and HCF

Jy gaan bogenoemde antwoorde gebruik be using above methods for this you will

2					
	KGVI er	GGF van	31	en 84	
	LCM a	nd HCF) of	36	and 84	
a)	2	36	2	84	
Í	2	18	2	42	
	3		3	2	
	3	3	7	٦	
	0 0				
	= (2) x (2) x	3×3 🕏		2×2×3×7	
	= 2 ² x 3 ⁶	S	=	2 ² × 3 × 7 '	
	VCN = 01	v 0 v 7	050	whether all the manufactures and has	
	$KGV = 2 \times 2 \times 3$ $LCM = 12$		Omkring al die getalle wat by albei voorkom		
			Ci	rcle all numbers that is in	
	GGF = 2	2 X 3 X 7 1		oth of them cryf AL die verskillende grondtalle	
	HCF = 252			neer, kies hoogste eksponente	
			M	rite down ALL different bases	
			dr	nd choose highest exponent.	
(a) 216 and 810					
	2	216	2	810	
	2	108	3	405	
	2	54	3	135	
	3	27	3	45	
	3	9	3 5	15	
	3	3	5	5	
		1 1			
	= 2×2×2×3×3×3 = 2×3×3×3×3×5				
	$= 2^{3} \times 3^{3}$			$=2\times3\times3\times3\times3\times5$ = $2\times3^{4}\times5^{1}$	
	Z / C			2:: 0 ::0	

8.1.2	
	VCV - 0×2×2×2
	$KGV = 2 \times 3 \times 3 \times 3$ $LCM = 54$
	$GGF = 2^3 \times 3^4 \times 5^4$
	HCF = 3240
	<u>-</u> →
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