

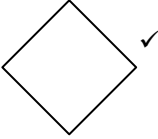


PUNTE: 50

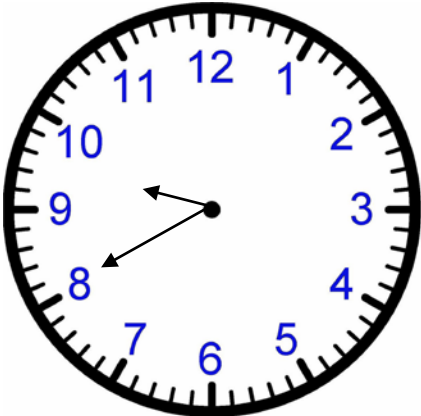
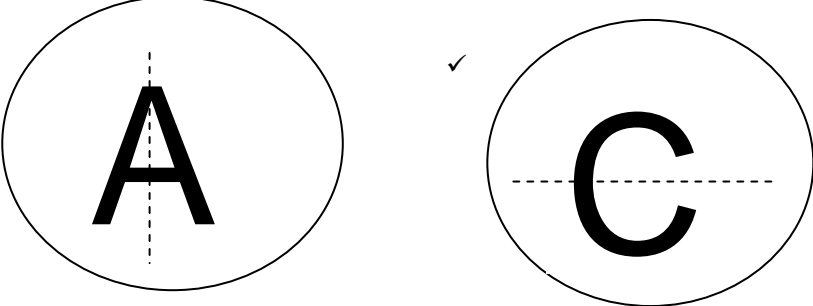
Hierdie memorandum bestaan uit 5 bladsye.

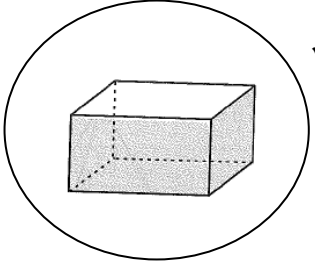
Belangrike inligting:

1. Gee volpunte vir slegs antwoorde, tensy anders aangedui.
2. Aanvaar enige alternatiewe korrekte oplossing wat nie op die memorandum aangedui word nie.
3. KA verwys na konsekwente akkuraatheid. Sien verduideliking by Vraag 7.1.

Vraag	Verwagte Antwoord	Verduideliking	Punte Verdeling	Totaal																	
1.	1.1 D✓		1	6																	
	1.2 B✓		1																		
	1.3 B✓		1																		
	1.4 A✓		1																		
	1.5 D✓		1																		
	1.6 C✓		1																		
2.	$(32 + 25) + 16 = (25 + \underline{16})$ ✓		1	1																	
3.	3.1 1 000 ✓		1	2																	
	3.2 		1																		
4.	7 ✓		1	1																	
5.	< ✓		1	1																	
6.	6.1	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>R20,00</td> <td>R10,00</td> <td>R5,00</td> <td>R2,00</td> <td>R1,00</td> <td>50c</td> <td>20c</td> <td>10c</td> </tr> <tr> <td style="text-align: center;">✓</td> <td></td> <td style="text-align: center;">✓</td> <td></td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td></td> </tr> </table>	R20,00	R10,00	R5,00	R2,00	R1,00	50c	20c	10c	✓		✓		✓	✓	✓			1	2
R20,00	R10,00	R5,00	R2,00	R1,00	50c	20c	10c														
✓		✓		✓	✓	✓															
	6.2	Kleingeld = R50,00 – R26,70 = R23,30 ✓		1																	

7.	7.1	$3\ 457 + 2\ 789$ $= 3\ 000 + 400 + 50 + 7 + 2\ 000 + 700 + 80 + 9$ $= 3\ 000 + 2\ 000 + 400 + 700 + 50 + 80 + 7 + 9 \quad \checkmark$ $= 5\ 000 + 1\ 100 + 130 + 16$ $= 6\ 246 \quad \checkmark$ <p style="text-align: center;">of</p> $\begin{array}{r} 7 + 9 = 16 \\ \text{en } 50 + 80 = 130 \quad \checkmark \\ \text{en } 400 + 700 = 1\ 100 \\ \text{en } 3\ 000 + 2\ 000 = 5\ 000 \end{array}$ <p>betekenen $3\ 457 + 2\ 789 = 6\ 246 \quad \checkmark$</p> <p style="text-align: center;">of</p> $3\ 457 + 2\ 000 \rightarrow 5\ 457 + 700 \rightarrow 6\ 157 + 80 \rightarrow 6\ 237 + 9 \rightarrow 6\ 246$ <p style="text-align: center;">of</p> $3\ 457 + 9 \rightarrow 3\ 466 + 80 \rightarrow 3\ 546 + 700 \rightarrow 4\ 246 + 2\ 000 \rightarrow 6\ 246$	Methode: 1 punt Antwoord: 1 punt Pas KA toe	2	
	7.2	$7\ 874 - 3\ 785$ $= 7\ 000 + 800 + 70 + 4 - 3\ 000 - 700 - 80 - 5$ $= 7\ 000 - 3\ 000 + 800 - 700 + 70 - 80 + 4 - 5$ $= 4\ 000 + 100 + 70 - 80 + 4 - 5$ $= 4\ 000 + 170 - 80 + 4 - 5$ $= 4\ 000 + 90 + 4 - 5$ $= 4\ 000 + 80 + 14 - 5$ $= 4\ 000 + 80 + 9$ $= 4\ 089$ <p style="text-align: right;">} $\checkmark \checkmark \checkmark$</p> <p style="text-align: center;">of</p> $7\ 874 - 3\ 000 \rightarrow 4\ 874 - 700 \rightarrow 4\ 174 - 80 \rightarrow 4\ 094 - 5 \rightarrow 4\ 089 \quad \checkmark$ <p style="text-align: center;">of</p> $7\ 874 - 5 \rightarrow 7\ 869 - 80 \rightarrow 7\ 789 - 700 \rightarrow 7\ 089 - 3\ 000 \rightarrow 4\ 089$	Methode: 2 punte Antwoord: 1 punt Pas KA toe	3	
	7.3	$76 \times 35 = 76 \times 7 \times 5 \quad \checkmark$ $= 532 \times 5 \quad \checkmark$ $= 2\ 660 \quad \checkmark$ <p style="text-align: center;">of</p> $76 \times 35 = 76 \times 5 \times 7 \quad \checkmark$ $= 380 \times 7 \quad \checkmark$ $= 2\ 660 \quad \checkmark$ <p style="text-align: center;">of</p> $76 \times 35 = 76 \times (30 + 5)$ $= (76 \times 30) + (76 \times 5) \quad \checkmark$ $= 2\ 280 + 380 \quad \checkmark$ $= 2\ 660 \quad \checkmark$ <p style="text-align: center;">of</p> $35 \times (70 + 6)$ $= (35 \times 70) + (35 \times 6) \quad \checkmark$ $= 2\ 450 + 210 \quad \checkmark$ $= 2\ 660 \quad \checkmark$	Methode: 2 punte Antwoord: 1 punt Pas KA toe	3	

	7.4	$852 \div 6 = (600 + 240 + 12) \div 6$ $= (600 \div 6) + (240 \div 6) + (12 \div 6) \checkmark$ $= 100 + 40 + 2 \checkmark$ $= 142 \checkmark$ <p style="text-align: center;">of</p> $852 \div 6 = 852 \div 2 \div 3 \checkmark$ $= 426 \div 3 \checkmark$ $= 142 \checkmark$ <p style="text-align: center;">of</p> $852 \div 6 = 852 \div 3 \div 2 \checkmark$ $= 84 \div 2 \checkmark$ $= 142 \checkmark$	Metode : 2 punte Antwoord : 1 punt Pas KA toe	3	11
8.		$12 \div 3 = 8 \div 2 \checkmark$		1	1
9.			Die minuut- wyser moet wys na die 8. Die uurwyser moet tussen 9 en 10 wys. Die uur- wyser moet nader aan tien wees.	1	1
10	10.1	C en D \checkmark		1	2
	10.2	6 uur 30 min. \checkmark		1	
11		Sy-aansig \checkmark		1	1
12			Die simmetrie lyn <u>hoef nie</u> getrek te word nie. Aanvaar A of C	1	1

13.		1,5 m ✓ of $1\frac{1}{2}m$		1	1
14.		36 uur ✓		1	1
15.		12 → +6 → x 3 → 54 ✓		1	1
16.	16.1	Aantal liters = $5 \times 1\frac{1}{2}$ = $5 \times (1 + \frac{1}{2})$ = $5 \times 1 + 5 \times \frac{1}{2}$ = $5 + 2\frac{1}{2}$ = $7\frac{1}{2}$ of 7,5 ✓		1	2
	16.2	Aantal liters oor = $7,5 - 5$ = 2,5 of $2\frac{1}{2}$ ✓		1	
17.	17.1	Ja ✓		1	1
	17.2	$\frac{3}{4}$ ✓		1	1
18.	18.1	<u>heksagoon</u> ✓ <u>onreëlmatige</u> ✓		2	2
	18.2	Vorm <u>C</u> ✓ is 'n pentagoon. Vorm <u>B</u> ✓ is 'n trapesium.		2	2
19.	19.1	A.  ✓		1	2
	19.2	5 ✓		1	
20.		10 ✓ ✓ $\triangle 1: 3+4+5=12$ $\triangle 2: 5+6+7=18$ $\triangle 3: 5+6+10=21$	Slegs antwoord: 2 punte.	2	2

21.	21.1	Papier ✓		1																												
	21.2	Glas en plastiek ✓		1																												
	21.3	$\frac{2}{4}$ of $\frac{1}{2}$ ✓		1																												
	21.4	<table border="1"> <thead> <tr> <th>Herwinningsmateriaal</th> <th>Telmerkies</th> <th>Frekwensie</th> </tr> </thead> <tbody> <tr> <td>Papier</td> <td> <table> <tr> <td>++++</td> <td>++++</td> <td>++++</td> </tr> <tr> <td>++++</td> <td>++++</td> <td>++++</td> </tr> </table> </td> <td>30</td> </tr> <tr> <td>Glas</td> <td> <table> <tr> <td>++++</td> <td>++++</td> <td></td> </tr> <tr> <td>++++</td> <td></td> <td>✓</td> </tr> </table> </td> <td>15</td> </tr> <tr> <td>Plastiek</td> <td> <table> <tr> <td>++++</td> <td>++++</td> <td>++++</td> </tr> </table> </td> <td>15 ✓</td> </tr> </tbody> </table>	Herwinningsmateriaal	Telmerkies	Frekwensie	Papier	<table> <tr> <td>++++</td> <td>++++</td> <td>++++</td> </tr> <tr> <td>++++</td> <td>++++</td> <td>++++</td> </tr> </table>	++++	++++	++++	++++	++++	++++	30	Glas	<table> <tr> <td>++++</td> <td>++++</td> <td></td> </tr> <tr> <td>++++</td> <td></td> <td>✓</td> </tr> </table>	++++	++++		++++		✓	15	Plastiek	<table> <tr> <td>++++</td> <td>++++</td> <td>++++</td> </tr> </table>	++++	++++	++++	15 ✓		2	5
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