



Province of the
EASTERN CAPE
EDUCATION

INTERMEDIÊRE FASE

GRAAD 6

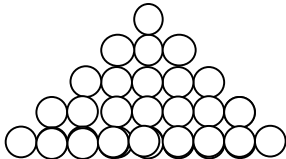
JUNIE 2011

**WISKUNDE
MEMORANDUM**

PUNTE: 50

TYD: 1 uur

Hierdie memorandum bestaan uit 3 bladsye.

Vraag	Verwagte Antwoord	Punte
1	$x - 25 = 57$ $x = 82 \checkmark$	1
2	48,6 \checkmark	1
3	4 283 176 \checkmark	1
4	$(2 \times 100\,000) + (7 \times 10\,000) + (8 \times 1000) + 2 \times (100) + (4 \times 10) + (5 \times 1)$	1
5	$\frac{15}{24} \checkmark$	1
6	6.1 286 175 \checkmark	1
	6.2 286 000 \checkmark	1
7	7.1 90 of 9 tiene \checkmark	1
	7.2 700 000 of 7 honderdduisend \checkmark	1
8	8.1 $\begin{array}{r} 945\,671 \\ + 26\,893 \\ \hline 972\,564 \end{array} \checkmark$ 1 punt vir korrekte rangskikking van plekwaarde, 1 punt vir korrekte antwoord	2
	8.2 $\begin{array}{r} 567\,432 \\ - 95\,238 \\ \hline 472\,194 \end{array} \checkmark$	1
9	9.1 $\frac{240}{6} = 40$ sakkies \checkmark	1
	9.2 R3,00 x 40 sakkies = R120,00 \checkmark Totale verkoopsprys = R120,00 Dus wins = R120 - R60 = R60 \checkmark	2
10	$\frac{11}{35} \checkmark$	1
11	Die tyd in Dallas is 23:45 of 11:45 nm op Sondag $\checkmark\checkmark$ 1 punt vir korrekte tyd, 1 punt vir korrekte dag	2
12	Prys van 12 boeke = R720 Prys van 1 boek = $\frac{R720}{12} = R60 \checkmark$ Dus 7 boeke kos $7 \times R60 = R420 \checkmark$ of enige korrekte metode is aanvaarbaar	2
13	$5\frac{1}{4} + 3\frac{1}{2} - \frac{2}{8}$ $5+3=8$ en $\frac{1}{4} + \frac{1}{2} = \frac{3}{4} \checkmark$ $\frac{2}{8} = \frac{1}{4}$ So $5\frac{1}{4} + 3\frac{1}{2} - \frac{2}{8} = 8 + \frac{3}{4} - \frac{1}{4}$ $= 8\frac{2}{4} = 8\frac{1}{2} \checkmark$ of enige korrekte metode is aanvaarbaar	2
14	$\frac{1}{5}$ van 20 = 4 \checkmark Dus het hy 16 lekkers oor \checkmark	2
15	15.1  Stap 5	1
	15.2 $4 \times 4 = 16 \checkmark$ 1 punt vir 16	1

	15.3	Nommer van stap x met homself of enige nommer x enige nommer of nxn √√												2																																																																																				
	15.4	144 = 12 x 12 Dus by stap 12√√												2																																																																																				
16	16.1	200 5 = 40 √												1																																																																																				
	16.2	1 ℓ = 1000 ml 5 ℓ = 5x 1000 ml = 5 000 ml √ 1 punt vir die korrekte antwoord enige korrekte metode is aanvaarbaar												1																																																																																				
17	6 km = 6 x 1 000 m = 6 000 m So 6 km + 245 m = 6 245 m√ 1 punt vir die korrekte antwoord enige korrekte metode is aanvaarbaar													1																																																																																				
18	1000g = 1 kg 35 467 g = $\frac{35\,467}{1000}$ = 35,467 kg√ 1 punt vir die korrekte antwoord of enige korrekte metode is aanvaarbaar													1																																																																																				
19	19.1	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																																																																																																2 1 elke korrekte dimensie
	19.2	8 vierkantseenhede √												1																																																																																				
20	20.1	9 x 5 - 3 = 42 So A = 42√												1																																																																																				
	20.2	12x5-3=57 So B = 12√												1																																																																																				
21	21.1	Pentagoniese prisma √												1																																																																																				
	21.2	6 vlakke √																																																																																																
	21.3	5 hoeke √																																																																																																
	21.4	A en D is piramides, B en C is prismas √√												2																																																																																				
22	22.1	Oktober √												1																																																																																				
	22.2	Maart √												1																																																																																				
	22.3	3 x 5 = 15 √												1																																																																																				
	22.4	Die totaal is 30 x 5 = 150												1																																																																																				
23	GRAAD	Telmerkies										Frekwensie		2																																																																																				
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