education

Department of Education
FREE STATE PROVINCE

GRADE7/GRAAD7

MATHEMATICS/WISKUNDE

PAPER 1/VRAESTEL1

NOVEMBER 2025 MOCK

MARKS/PUNTE: 50

MEMORANDUM

This memorandum consists of 9 pages. / ***Hierdie memorandum bestaan uit 9 bladsye.***

General marking notes: / *Algemene nasienriglyne:*

1. Give full marks for answers only, unless otherwise stated. / *Gee volpunte vir slegs die korrekte antwoord, tensy anders vermeld.*

2. Accept any alternative correct solution that is not included in the memorandum. / *Aanvaar enige ander alternatiewe korrekte oplossing wat nie in hierdie memorandum vervat word nie.*

3. Underline errors committed by learners and apply Consistent Accuracy when marking. / *Onderstreep foute wat deur leerlinge bemaak is en pas Konstante Akkuraatheid toe.*

4. CA – Consistent Accuracy */ Konsekwente Akkuraatheid*

5. A – Accuracy */ Akkuraatheid*

6. *M* – Method */ Metode*

COGNITIVE LEVEL: / *KOGNITIEWE VLAK:*

K ⟶ Knowledge / *Kennis*

RP ⟶ Routine Procedure / *Roetine Prosedure*

CP/*KP* ⟶ Complex Procedure / *Komplekse Prosedure*

PS/*PO* ⟶ Problem Solving / *Probleemoplossing*

QUESTION/ *VRAAG*	ANSWERS/ *ANTWOORDE*	CLARIFICATION NOTES/ *VERDUIDELIKING*	MARKS/ *PUNTE*	COGNITIVE LEVEL/ *KOGNITIEWE VLAK*
QUESTION 1 / *VRAAG 1*				
1.1	526 899 899; 526 899 869; 526 899 799; 526 899 798; 526 899 789 √	1 mark: correct answer/ *1 punt: korrekte antwoord*	(1)	K
1.2	2; 3; 5 ;7;11√	1 mark: correct answer/ *1 punt: korrekte antwoord*	(1)	K
1.3	4 121 × 113 12 363(3×4 121) + 41 210 (10×4121) √ 412 100(100× 4121) 465 673 √	1 mark: all the correct products / *1 punt: all die korrekte produkte* 1 mark: correct answer/ *1 punt: korrekte antwoord*	(2)	RP
1.4	16 ×5 -80÷2+8 √ 80-40 +8 = 48 √	1 mark: / 1 mark: correct answer/ *1 punt: punt: korrekte antwoord/*	(2)	RP

1.5	Train A = Distance/speed =200 ÷ 40 √ =5 hours √ Train B = Distance/ speed = 200 ÷ 50 = 4 hours √ *Train B therefore arrives at the distination* 1 *hour before* Train A. √	1 mark: 200 ÷ 40 / *1 punt vir 200 ÷ 40* 1 mark: 5 hours / *1 punt vir 5 ure* 1 mark: for 200 ÷50 / *1 punt vir 200 ÷ 50* 1 mark: for 1 hour before train A / *1 punt vir 1 uur voor trein A*	(4)	CP *KP*

QUESTION 2

2.1.1	3 % √	1 mark for correct answer/ *1 punt vir korrekte antwoord*	(1)	K
2.1.2	0,5 √ or 0,50	1 mark for correct answer/ *1 punt vir korrekte antwoord*	(1)	K
2.2	$2\frac{3}{7} - 1\frac{1}{2}$ √ $\frac{17}{7} - \frac{3}{2}$ $(\frac{17}{7}\times\frac{2}{2}) - (\frac{3}{2}\times\frac{7}{7})$ √ $\frac{34}{14} - \frac{21}{14}$ $\frac{13}{14}$ √	1 mark the correct step/ *1 punt vir korrekte stap om 'n gemene deler te kry/ 1 punt vir leen van 'n heel nommer/ 1 punt vir korrekte antwoord* √ √ √	(3)	RP
2.3.1	60√	1 mark for the correct answer/ *1 punt vir korrekte antwoord*	(1)	RP
2.3.2	10 √	1 mark for the correct answer/ *1 punt vir korrekte antwoord*	(1)	RP
3.1	**QUESTION 3/ VRAAG 3** 0,1 OR/AF $\frac{1}{10}$ √	1 mark for the correct answer/ *1 punt vir korrekte antwoord*	(1)	K
3.2	15,88√	1 mark for the correct answer/ *1 punt vir korrekte antwoord*	(1)	K

3.3	$\frac{5}{10}$ × board = 150mm $\frac{1}{2}$ × board = 150mm √ 2 × 150 mm= 300mm= 0,3m √	1 mark for 2 ×150/ *1 punt vir 2 x 150mm* 1 mark for 300mm or 0.3m/ *1 punt vir 300mm or 0.3m*	(2)	PS / *PO*
3.4	Fraction left = 1- $\frac{2}{6}$ $-\frac{2}{6}$ √ = $\frac{1}{3}$ √	1 mark for 1-$\frac{2}{6}$ $-\frac{2}{6}$ 1 mark for $\frac{1}{3}$ *1 punt vir 1-$\frac{4}{6}$* *1 punt vir $\frac{1}{3}$ or $\frac{2}{6}$*	(2)	PS/ *PO*
3.5	Cost of material = $3\frac{3}{4}$ × R 49 √ $\frac{15}{4}$ × R49 R183,75 √	1 mark for the correct steps *1punt vir korrekte antwoord*	(2)	RP

4.1	**QUESTION 4/VRAAG 4** $\sqrt[3]{1000} + \sqrt{169} - 5^2 + 155 \div (2+3)$ √ 10 +13 -25 +31 √ 23 +31-25 √ 54 – 25 29 √	1 mark for correct answer/ *1 punt vir korrekte Antwoord* √ √ √ √	(4)	CP *KP*
4.2	-561; -513; -11; 0; 189; 263; 274 √	1 mark for arranging everything correctly/ *1 punt vir die korrekte herrangskikking*	(1)	K
4.3	-17; -5; 0; 17;250	1 mark for all the correct integers / *1 punt vir al 5 heelgetalle voorsien*	(1)	K
4.4	46 -79-11-86 √ 46-176 -130 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord* √ √	(2)	RP
4.5	26 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
4.6	30 √	1 mark for the correct answer/ *1 punt vir korrekte antwoord*	(1)	RP
5.1.1	16 √	*1 mark for the correct answer/ 1 punt vir korrekte Antwoord*	(1)	K

5.1.2	**5** √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	K
5.1.3	x^2 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	K
5.1.4	A= 121 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	K
5.2.1	Input is 5 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
5.2.2	Output is 22 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(2)	CP/ KP
5.3.1	Multiply x by 5 to get y √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
5.4.1	-5 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
5.4.2	-6 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
5.4.3	-2 √	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
5.5.1	27 668	1 mark for the correct answer/ *1 punt vir korrekte Antwoord*	(1)	RP
5.6	R2800 × 12 √ R33 600√	1 mark for 12 months, 1 mark for R33 600 *1 punt vir* × 12 *maande* *1 punt vir R33 600*	(2)	RP

	[14]
TOTAL / *TOTAAL*:	**50**

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COGNITIVE LEVELS/ ***KOGNITIEWE VLAKKE***			
COGNITIVE LEVEL/ ***KOGNITIEWE VLAK***	**PERCENTAGE/*PERSENTASIE***	**EXPECTED MARKS/** ***VERWAGTE PUNTE***	**ACTUAL MARKS/** ***WERKLIKE PUNTE***
Knowledge/Kennis	25%	12 or 13	12
Routine procedure/ *Roetine prosedure*	45%	22 or 23	22
Complex procedure/ *Komplekse prosedure*	20%	10	10
Problem solving/ *Probleemoplossing*	10%	5	4
TOTAL/*TOTAAL*:	**100%**	**50**	**50**