MEMORANDUM MATHEMATICS GRADE 5
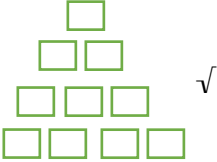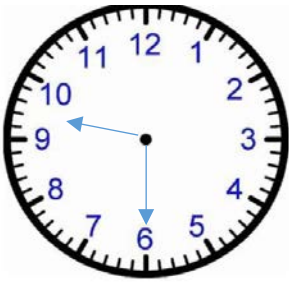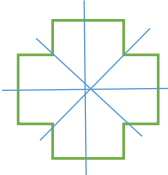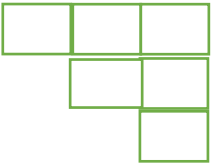
EKURHULENI NORTH DISTRICT
COMMON EXAMINATION
NOVEMBER 2018

1. Give full marks for answers only unless otherwise stated.
2. Accept any alternative or correct solution that is not included in the memorandum.
3. CA refers to consistent accuracy. Check an example in 2.3

Question		Expected answer	Clarification	Mark	Total
				1	
1	1.1	B √		1	
	1.2	B√		1	
	1.3	C√		1	
	1.4	C√		1	
	1.5	D√		1	
	1.6	A√		1	
	1.7	C√		1	
	1.8	B√		1	
	1.9	C√		1	
	1.10	B√		1	**10**
2	2.1	215 873 + 40 719 256 592 √ √	Correct answer 2 marks 256√ 592√	2	
	2.2	69 157 - 17 239 51 918 √ √	Correct answer 2 marks 51√ 918√	2	
	2.3	948 x 45 4 740 √ + 37 920 √ =42 660√ Example of CA 948 x 45 4 740 √ (948 × 5 correct) + 38 820 ✘ (948 × 40 is incorrect) =43 560√ (addition is correct)	Correct answer 3 marks 4 740 1 mark 37 920 1 mark 1 mark for adding Accept any correct method	3	

	2.4	$^{20}\sqrt{421}$ $\quad 21\sqrt{}\sqrt{}$ - $\underline{40}$ 21 - $\underline{20}$ 1 rem $\sqrt{}$	Correct answer 3 marks 2 - 1 mark 1 1 mark 1rem - 1 mark	3	
	2.5	7 + (6 x 2 – 4) 7 + (12-4) $\sqrt{}$ 7 + 8$\sqrt{}$ = 15$\sqrt{}$	Correct answer 3 marks bracket first – 2 mark answer- 1 mark Accept any correct method	3	
	2.6	> $\sqrt{}$	1 mark	1	
	2.7	$2\frac{4}{5}$ $\sqrt{}$	1 mark	1	
	2.8	4$\sqrt{}$	1 mark	1	
	2.9	a) $3\frac{3}{6} + 1\frac{1}{6}$ $4\sqrt{}\frac{3}{6} + \frac{1}{6}$ $4\frac{4}{6}$ $\sqrt{}$ (Any method)	4 -1 mark $\frac{4}{6}$ -1 mark	2	
		b) $\frac{1}{3}$ x 15 apples $\frac{15}{3}$ $\sqrt{}$ = 5 $\sqrt{}$ (Any method)		2	
		c) $\frac{5}{12} + \frac{6}{12} = \frac{11}{12}$ $\frac{12}{12} - \frac{11}{12}$ $\sqrt{}$ = $\frac{1}{12}$ $\sqrt{}$		2	
					22
3	3.1	2022 $\sqrt{}$	1 mark	1	
	3.2	a) $\sqrt{}$	10 blocks -1 mark	1	
		b) 5$\sqrt{}$ 10$\sqrt{}$	1 mark 1 mark	2	
	3.3	7$\sqrt{}$ 33 $\sqrt{}$	1 mark 1 mark	2	
					6

4.	4.1	a) Johannesburg √ b) 30 °C √	1 mark 1 mark	2	
	4.2	 √√	1 mark for a short arm 1 mark for a long arm	2	
	4.3	5.4 3kg √ 400g √	1 mark – 3kg 1 mark – 400g	2	
					6
5	5.1	Hexagonal pyramid √ 7 √ Hexagon √	1 mark 1 mark 1 mark	3	
	5.2	Translation √	1 mark	1	
	5.3	Right angle √	1 mark	1	
	5.4	4 √	1 mark – 4 lines	1	
	5.5	√	1 mark for correct drawing	1	
	5.6	Perimeter = 35cm + 35cm + 15cm + 15cm √ 100cm √	1 mark for working out 1 mark for an answer	2	
	5.7	4 x 4 x 4 =64 √√	1 mark for working out 1 mark for an answer	2	
					11
6	6.1	a) R41 550 √ + R12 950 R54 510 √	1 mark for working out 1 mark for an answer	2	
		b) 48√√ 4+8 = 12 8 – 4 = 4	2 marks for an answer	2	
					4
7	7.1	Soccer $\frac{1}{2}$ √	1 mark for an answer	2	

		Netball $\frac{1}{4}\sqrt{}$	1 mark for an answer		
	7.2	$\frac{1}{20}$ x 200$\sqrt{}$ $\frac{200}{20}$ = 10 learners$\sqrt{}$	1 mark for working out 1 mark for an answer	2	
	7.3	50/50 or $\frac{1}{2}$ $\sqrt{}\sqrt{}$	2 marks for an answer	2	**6**