MEMORANDUM MATHEMATICS GRADE 4

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 3.3 etc.

Question		Expected answer	Clarification	Mark	Total
				1	
1	1.1	C ✓		1	
	1.2	C ✓		1	
	1.3	D ✓		1	
	1.4	A ✓		1	
	1.5	C ✓		1	
	1.6	D ✓		1	
	1.7	C✓		1	
	1.8	B✓		1	
	1.9	C✓		1	
	1.10	C✓		1	**10**
2	2.1	3457, 3547, 4357, 4375, 4573, 5374 ✓✓	✓First three numbers, ✓ Second three numbers	2	
	2.2	2597✓		1	
	2.3	3000 ✓		1	
	2.4	8534 ✓		1	
	2.5	1224 →1254 → 1214 ✓✓✓		3	
					8
3	3.1	3791 + 4145 = (3000 + 700 + 90 + 1) + (4000 + 100 + 40+ 5) = (3000 + 4000) + (700 + 100) + (90 + 40) + (1 + 5)	Any method ✓Re-grouping ✓Answer	2	

		= 7000 + 800 + (130) + 6 = 7000 + 900 + 30 + 6 **= 7936**			
	3.2	= (8000 + 700 + 80 + 7) – (2000 + 400 + 90 + 3) = (8000 + 600 + 180 + 7) – (2000 + 400 + 90+ 3) = (8000 – 2000) + (600 – 400) + (180 – 90) + (7 – 3) = 6000 + 200 + 90 + 4 **= 6294**	<u>Any method</u> ✓Re-grouping ✓Answer	2	
	3.3	48 X 35 240 ✓ +1440 ✓ **1680** ✓ *CA	Any method Consider CA in addition	3	

	3.4	**1 1 7** ✓
		⌐4 6 8
		-4 ↓
		   6 ⌐ ✓
		   -4▼
		    2 8 ✓
		    -2 8
		     . .
			Any method	3	

	3.5	**7883 – 371** = (7000 + 800 + 80 + 3) – (300 + 70 + 1) = (7000 - 0) +(800 – 300) + (80 – 70) + (3 - 1) = (7000 + 500 + 10 + 2) = (**7512)**	<u>Any method</u> ✓Re-grouping ✓Answer	2	
					12
4	4.1	$\frac{3}{4}$ ✓		1	
	4.2	$\frac{1}{2}$ or $\frac{4}{8}$ *etc.* ✓		1	
	4.3	$\frac{6}{6} ; \frac{5}{6} ; \frac{4}{6} ; \frac{3}{6} ; \frac{2}{6} ; \frac{1}{6}$ ✓		1	
	4.4	$\frac{2}{5}$ **+** $\frac{1}{5}$ **=** $\frac{3}{5}$ ✓✓	✓ Fraction identified, ✓Answer	2	
					5
5	5.1	5 l ✓			
	5.2	**5000ml**✓			
	5.3	200 ml ✓			
	5.4	600 ml + 200 ml = 800 ml✓✓			**5**
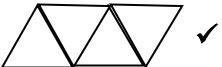
6	6.1	144 ÷ 12 = <u>12</u> ✓✓	✓Correct operation ✓Answer	2	
	6.2	R6799 – R3850 = <u>R2949</u> ✓✓	✓Correct operation ✓Answer	2	
	6.3	1140 km + 545 km + 907 km + 752 km + 1009 km = <u>4353 km</u> ✓✓	✓Correct operation ✓Answer	2	**6**
7	7.1	Rule: +3 ✓ Output: 35 ✓		2	
	7.2	✓		1	**3**
8	8.1	7 cm + 3 cm + 5 cm + 3 cm + 4 cm + 3 cm + 6 cm + 9 cm = <u>40 cm</u> ✓✓ *CA	Consider CA in addition	2	
	8.2	45 square units ✓		1	**3**
9	9.1	Square-based pyramid ✓		1	
	9.2	6 Sides ✓		1	
	9.3	B4		1	
	9.4	Side view ✓		1	**4**
10	10.1	5 + 8 = <u>13</u> ✓		1	
	10.2	8 + 10 + 5 + 6 + 1 = 30✓✓ CA	✓Correct operation ✓Answer Consider CA in addition	2	**3**