Province of the
EASTERN CAPE
EDUCATION

INTERMEDIATE PHASE

GRADE 6

NOVEMBER 2014

MATHEMATICS
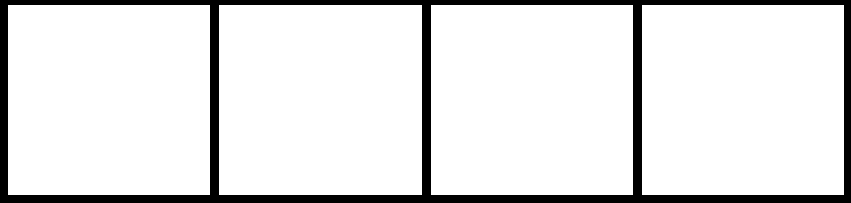## MEMORANDUM
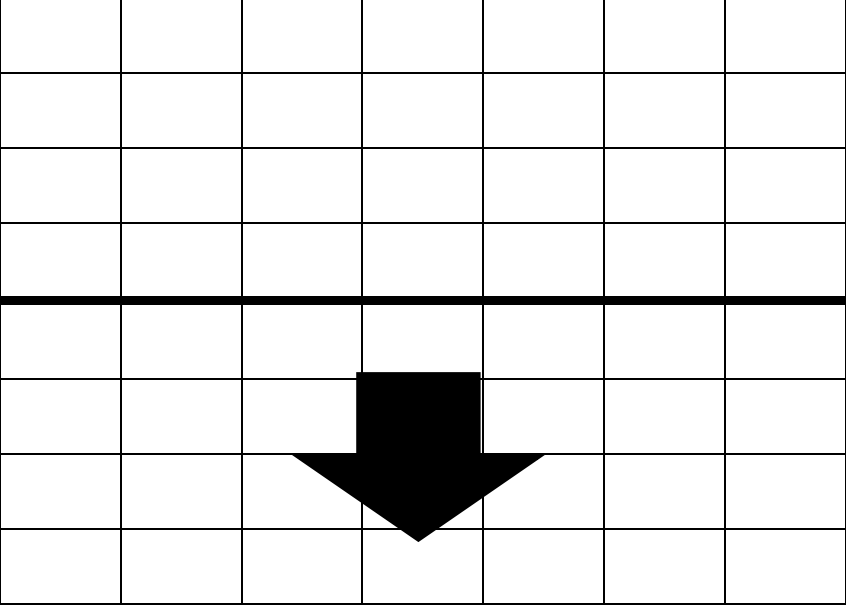
MARKS: 75

GENERAL MARKING NOTES

1.   Give full marks for answers only, unless stated otherwise.

2.   Accept any alternative, correct solutions that are not included in the memorandum.

Questions			Expected answers	Clarification	Marks
1.	1.1		B ✓		1
	1.2		A ✓		1
	1.3		D ✓		1
	1.4		C ✓		1
	1.5		A ✓		1
	1.6		B ✓		1
	1.7		D ✓		1
	1.8		A ✓		1
	1.9		C ✓		1
	1.10		A ✓		1
2.			17 755 142 ✓		1
3.	3.1		17 ✓		1
	3.2		50 ✓		1
	3.3		9 ✓		1
	3.3		50 ✓		1
4.			90 000 ✓		1
5.			R7,50 x 20 = R150 ✓ R150 – R120 = R30 ✓		2
6.			$\frac{9}{10} > \frac{6}{10} > \frac{58}{100} > \frac{57}{100}$ ✓		1
7.			$\mathcal{X} = 48$ ✓		1
8.			375,8 ✓		1
9.	9.1		48 132 975 + 1 639 201 ✓ 49 772 176 ✓	1 mark for the answer and 1 mark for the ordering of the place values correctly. Accept any other correct method.	2
	9.2		438 301 – 139 574 ✓ 298 727 ✓	1 Mark for the answer and 1 mark for the ordering of the place values correctly. Accept any other correct method.	2

9.3	$\begin{array}{r} 23\ 478 \\ \times\ \ \ \ 425 \\ \hline 117\ 390\ \checkmark \\ 469\ 560\ \checkmark \\ +\ 9\ 391\ 200\ \checkmark \\ \hline 9\ 978\ 150\ \checkmark \end{array}$	Any other correct method is acceptable.	4
9.4	$\begin{array}{r} 36\ \checkmark \\ 115\ )\ \overline{4\ 140} \\ \underline{3\ 450}\ \checkmark \\ 695 \\ -\ \underline{695}\ \ \checkmark \\ *** \end{array}$	Any other correct method is acceptable.	3
9.5	$2\frac{1}{4} + 3\frac{1}{3} + 2\frac{1}{12}$ $\qquad\qquad\qquad [\frac{1}{3} = \frac{4}{12}]$ $= (2 + 3 + 2) + (\frac{1}{4} + \frac{1}{3} + \frac{1}{12})\ [\frac{1}{4} = \frac{3}{12}]$ $=\ 7 + \frac{3}{12} + \frac{4}{12} + \frac{1}{12}\ \checkmark$ $=\ 7 + \frac{8}{12}\ \checkmark$ $=\ 7\frac{2}{3}\ \checkmark$	1 mark for the answer and 1 mark for the calculation. Accept any other correct method.	3
10.	$X \div 17 = 325$ rem 4 $X = 325 \times 17 + 4\ \checkmark$ $X = 5\ 525 + 4\ \checkmark$ $X = 5\ 529\ \checkmark$	Any other correct method is acceptable.	3
11.	$800\ g \times 7 = 5\ 600\ g\ \checkmark$ $\qquad\quad = +\ 200\ g$ $\qquad\quad \underline{5\ 800\ g}\ \checkmark\ = 5,8\ kg\ \checkmark$	1 mark for the answer and 1 mark each for the conversion and the calculation.	3
12.	$\frac{3}{5}$ of 20 $3 \times 20 \div 5\ \checkmark$ $= 12$ passed $\checkmark$	1 mark for the answer and 1 mark for the calculation. Accept any other correct method.	2
13.	A = 8 $\checkmark$ \qquad B = 32 $\checkmark$		2
14.	14.1 Right angled triangle or Isosceles triangle $\checkmark$		1
	14.2 Right angle $\checkmark$		1
	14.3 6 cm $\checkmark$		1
	14.4 8 cm $\checkmark$		1

15.	15.1	Cube ✓		1
	15.2	6 ✓		1
	15.3	8 ✓		1
16.	One minute and ten seconds or 1 min 10 seconds ✓			1

17.

✓

1

17.1

Squares	1	2	3	4	5	30	**50 ✓**
Matches	4	7	10	13	16	91	151

1

	17.2	Any number multiplied by 3 then add 1 ✓		1

18.

Common Fraction	Decimal Fraction	Percentage
$\frac{1}{2}$	0,5	50%
$\frac{7}{10}$	**0,7 ✓**	**70% ✓**
$\frac{3}{4}$	**0,75 ✓**	**75% ✓**

4

19				
	✓			1
20.	20.1	13 h✓ 29 min ✓		2
	20.2	Day = Friday; ✓Time = 11:44 am ✓		2
21.	22 m² ✓			1
22.	22.1	9 learners ✓		1
	22.2	5 ✓		1
	22.3	4 ✓		1
23.	23.1	A2 ✓		1
	23.2	Ventura Primary ✓		1
24.	‖‖Ꞁ II ✓			1
25.	25.1	200 ✓		1
	25.2	50% ✓		1
	25.3	$\frac{1}{20}$ ✓		1
			TOTAL:	**75**

       Please turn over