



Province of the  
**EASTERN CAPE**  
EDUCATION

## **INTERMEDIATE PHASE**

**GRADE 6**

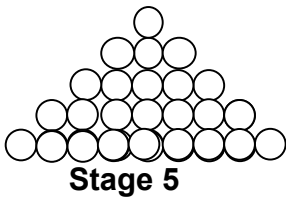
**JUNE 2011**

## **MATHEMATICS MARKING GUIDELINE**

**MARKS: 50**

**TIME: 1 hour**

This marking guideline consists of 3 pages.

Question	Expected Answer	Marks
1	$x - 25 = 57$ $x = 82 \checkmark$	1
2	48,6 $\checkmark$	1
3	4 283 176 $\checkmark$	1
4	$(2 \times 100\,000) + (7 \times 10\,000) + (8 \times 1\,000) + 2 \times (100) + (4 \times 10) + (5 \times 1)$	1
5	$\frac{15}{24} \checkmark$	1
6	6.1 286 175 $\checkmark$	1
	6.2 286 000 $\checkmark$	1
7	7.1 90 or 9 tens $\checkmark$	1
	7.2 700 000 or 7 hundred thousand $\checkmark$	1
8	8.1 $\begin{array}{r} 945\,671 \\ + 26\,893 \\ \hline 972\,564 \end{array} \checkmark$ 1 mark for ordering place values correctly, 1 mark for correct answer	2
	8.2 $\begin{array}{r} 567\,432 \\ - 95\,238 \\ \hline 472\,194 \end{array} \checkmark$	1
9	9.1 $\frac{240}{6} = 40$ bags $\checkmark$	1
	9.2 R3,00 x 40 bags = R120,00 $\checkmark$ Total selling price = R120,00 Thus Profit = R120 - R60 = R60 $\checkmark$	2
10	$\frac{11}{35} \checkmark$	1
11	The time in Dallas is 23:45 or 11:45 pm on Sunday $\checkmark\checkmark$ 1 mark for correct time, 1 mark for correct day	2
12	Cost of 12 books = R720 Cost of 1 book = $\frac{R720}{12} = R60 \checkmark$ Thus 7 books cost $7 \times R60 = R420 \checkmark$ or any correct method is acceptable	2
13	$5\frac{1}{4} + 3\frac{1}{2} - \frac{2}{8}$ $5+3=8$ and $\frac{1}{4} + \frac{1}{2} = \frac{3}{4} \checkmark$ $\frac{2}{8} = \frac{1}{4}$ So $5\frac{1}{4} + 3\frac{1}{2} - \frac{2}{8} = 8 + \frac{3}{4} - \frac{1}{4}$ $= 8\frac{2}{4} = 8\frac{1}{2} \checkmark$ or any correct method is acceptable	2
14	$\frac{1}{5}$ of 20 = 4 $\checkmark$ So he is left with 16 sweets $\checkmark$	2
15	15.1  Stage 5	1
	15.2 $4 \times 4 = 16 \checkmark$ 1 mark for 16	1

GRADE 2017										MATHEMATICS (MARKING GUIDELINE)										9																																																																																																												
	15.3	Stage number x by itself or any number x any number or nxn $\sqrt{\sqrt{\phantom{x}}}$																		2																																																																																																												
	15.4	144 = 12 x 12 So at stage 12 $\sqrt{\sqrt{\phantom{x}}}$																		2																																																																																																												
16	16.1	$\begin{array}{r} 200 \\ \underline{5} \\ = 40 \end{array} \sqrt{\phantom{x}}$																		1																																																																																																												
	16.2	1 ℓ = 1000 ml 5 ℓ = 5x 1000 ml = 5 000 ml $\sqrt{\phantom{x}}$ 1 mark for the correct answer any correct method is acceptable																		1																																																																																																												
17	6 km = 6 x 1 000 m = 6 000 m So 6 km + 245 m = 6 245 m $\sqrt{\phantom{x}}$ 1 mark for the correct answer any correct method is acceptable																			1																																																																																																												
18	1000g = 1 kg $35\,467\text{ g} = \frac{35\,467}{1000}$ = 35,467 kg $\sqrt{\phantom{x}}$ 1 mark for the correct answer any correct method is acceptable																			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><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><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><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><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><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><td></td><td></td><td></td><td></td></tr></table>																																																																																																																														2  1 mark for each correct  dimension
	19.2	8 square units $\sqrt{\phantom{x}}$																		1																																																																																																												
20	20.1	9 x 5 - 3 = 42 So A = 42 $\sqrt{\phantom{x}}$																		1																																																																																																												
	20.2	12x5-3=57 So B = 12 $\sqrt{\phantom{x}}$																		1																																																																																																												
21	21.1	Pentagonal prism $\sqrt{\phantom{x}}$																		1																																																																																																												
	21.2	6 faces $\sqrt{\phantom{x}}$																																																																																																																														
	21.3	5 vertices $\sqrt{\phantom{x}}$																																																																																																																														
	21.4	A and D are pyramids, B and C are prisms $\sqrt{\sqrt{\phantom{x}}}$																		2																																																																																																												
22	22.1	October $\sqrt{\phantom{x}}$																		1																																																																																																												
	22.2	March $\sqrt{\phantom{x}}$																		1																																																																																																												
	22.3	3 x 5 = 15 $\sqrt{\phantom{x}}$																		1																																																																																																												
	22.4	The total is 30 x 5 = 150																		1																																																																																																												
23	GRADE	Tallies														Frequency		2																																																																																																														
	6 A															34 $\sqrt{\phantom{x}}$																																																																																																																
	6 B	I $\sqrt{\phantom{x}}$																																																																																																																														
TOTAL																		50																																																																																																														