

ANNUAL NATIONAL ASSESSMENT 2012  
GRADE 3 MATHEMATICS  
MEMORANDUM (BRAILLE)

General marking note:

- | QUESTION |    | EXPECTED ANSWERS   | MARKS | TOTAL |
|----------|----|--|-------|-------|
| 1.       | a. | 100; 125; 150 ✓  | 1     | 3     |
|          | b. | 658; 638; 618 ✓  | 1     |       |
|          | c. | 150; 200; 300 ✓ or 350; 300 ; 200 ✓  | 1     |       |
| 2.       | a. | Ninety- five ✓ <b>Accept the correct number name in any other official language. Do not penalise for spelling.</b>   | 1     | 2     |
|          | b. | Three hundred and seventy-two ✓  | 1     |       |
| 3.       | a. | 542,452,425,245 ✓ <b>Accept the correct number name in any other official language. Do not penalise for spelling.</b>  | 1     | 2     |
|          | b. | 1 quarter, 1 third, 1 half ✓<br><b>Accept correct symbols or drawings of the fractions.</b>  | 1     |       |
| 4.       | a. | $400 + 200 + 30 + 10 + 1 + 3$ ✓<br>$= 600 + 40 + 4$ ✓<br>$= 644$ ✓<br><div style="text-align: center;"> <math>\begin{array}{ccccccc} &amp; \checkmark &amp; &amp; \checkmark &amp; &amp; &amp; \checkmark \\ \text{or } 431 + 200 &amp; \rightarrow &amp; 631 + 10 &amp; \rightarrow &amp; 641 + 3 &amp; \rightarrow &amp; 644 \end{array}</math> </div> | 3     | 10    |
|          | b. | $70 + 2 - 30 - 7$<br>$= 60 + 12 - 30 - 7$ ✓ or $72 - 30 \rightarrow 42 - 7 \rightarrow 35$<br>$= 60 - 30 + 12 - 7$<br>$= 30 + 5$ ✓<br>$= 35$ ✓   | 3     |       |
|          | c. | $3 \times 1 = 3$ } ✓ $3 \times 31 = 93$ ✓ ✓<br>$3 \times 30 = 90$ } or $31 + 31 + 31 = 93$ ✓<br>$3 \times 31 = 93$ ✓   | 2     |       |
|          | d. | $\text{If } 80 \div 4 = 20 \text{ and } 4 \div 4 = 1 \text{ means } 20 + 1 = 21$ } ✓      Method: 1 mark<br>Answer: 1 mark   | 2     |       |
|          | e. | $70$ or $7T$ or 7 tens or seventy ✓<br>$500$ or 5H or 5 hundreds ✓ or five hundred   | 1     |       |
| 6.       |    | $22^{\text{nd}}$ , $23^{\text{rd}}$ , $25^{\text{th}}$ , ✓   | 1     | 1     |
| 7.       | a. | $(2 \times R1,50) + R1,00 = R4,00$ ✓   | 3     |       |

		Change = R5 – R4 = R1/100c ✓ Subtract a mark if there is no unit in the answer.		6
	b.	✓   ✓   ✓ R3,40 – R1,75 = R1,65 Subtract a mark if there is no unit in the answer.	3	

8.	a.	Number of tyres = $12 \times 5 = 60$	2	4						
	b.	Number of biscuits = $69 \div 2 = 34$ and a half	2							
9.	a.	572 ✓	1	6						
	b.	$300 + 80 + 5$ ✓ <b>Accept any order.</b>	1							
	c.	$49 + 49 = 98$ or $2 \times 49 = 98$ ✓	1							
	d.	397 , 398 , 399 , 400 , 401 , 402 ✓	1							
	e.	137 ✓	1							
	f.	C ✓	1							
10.	a.	f      g      d      ✓	1	2						
	b.	275 ✓	1							
11.	<table border="1"><tr><td>2-D shapes</td><td>3-D objects</td></tr><tr><td>Triangle</td><td>Cube/Box</td></tr><tr><td>Rectangle</td><td>Cylinder</td></tr></table>		2-D shapes	3-D objects	Triangle	Cube/Box	Rectangle	Cylinder	1      1	4
	2-D shapes	3-D objects								
	Triangle	Cube/Box								
	Rectangle	Cylinder								
<b>Accept correct answers in any order in each column.</b>		1      1								
12.	a.	a ✓	1	2						
	b.	b ✓	1							
13.	a.	31 ✓	1	3						
	b.	4 ✓	1							
	c.	Friday ✓	1							
14.	a.	b ✓	1	3						
	b.	• Long hand on 6 and short hand on 11.	1							
	c.	90 ✓	1							

15.	a.	kilogram ✓	1	4
	b.	litres ✓	1	
	c.	centimetres ✓	1	
	d.	15 cm ✓	1	
16.		45 ✓	1	1
17.	a.	7 ✓	1	5
	b.	Kim ✓	1	
	c.	140 cm ✓	1	
	d.	Accept an estimated answer <u>between</u> 100 cm and 120 cm, e.g. 110 cm ✓	1	
	e	Pat ✓	1	
TOTAL: 60				