



ANNUAL NATIONAL ASSESSMENT 2012
GRADE 4 MATHEMATICS
TEST
MEMORANDUM

MARKS: 60

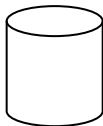
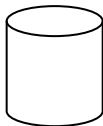
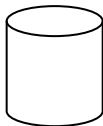
This memorandum consists of 5 pages.


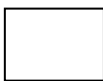
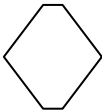



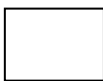
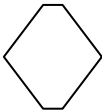



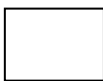
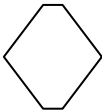


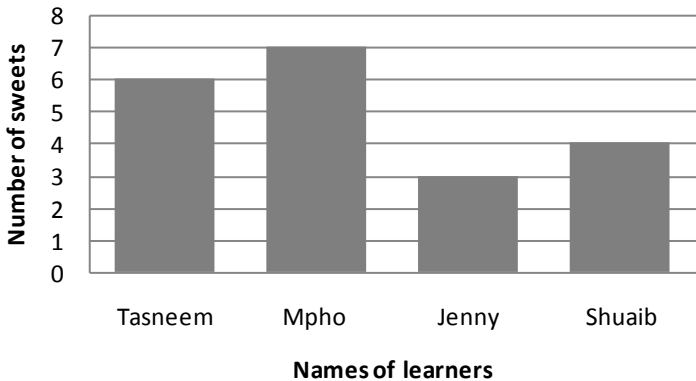
Important Information:

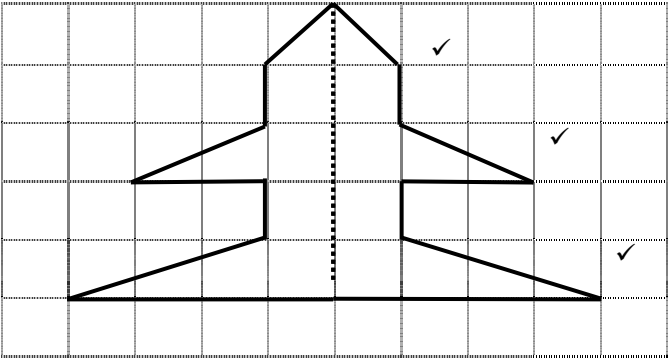
1. Give full marks for answers only, unless otherwise stated.
2. Accept any alternative correct solution that is not included in the memorandum.

QUESTION	EXPECTED ANSWER	CLARIFICATION	MARKS	TOTAL
1.	1.1	C ✓	1	5
	1.2	B ✓	1	
	1.3	B ✓	1	
	1.4	B ✓	1	
	1.5	C ✓	1	
2.		53 ✓	1	1
3.	3.1	5 175 ✓ 5 225 ✓	2	4
	3.2	⊙ ✓ Δ ✓	2	
4.		$\frac{13}{26}$ ✓ ✓	2	2
5.		(9×100) ✓ + (6×10) ✓	2	2
6.		$100 \div 5 = 20$ ✓ ✓	2	2
7.		1 125 ✓	1	1
8.		3 050 ✓	1	1
9.	9.1	$\begin{array}{r} 1\ 3\ 5\ 3 \\ +\ 5\ 3\ 0\ 3 \\ \hline 6\ 6\ 5\ 6 \end{array}$ ✓✓	2	2

9.2	$\begin{array}{r} 3\ 544 \\ - 3\ 193 \\ \hline 351 \end{array} \quad \checkmark\checkmark$	Accept any other correct method	2	2
9.3	$\begin{array}{r} 8\ 7 \\ \times 5\ 2 \\ \hline 1\ 7\ 4 \\ + 4\ 3\ 5\ 0 \\ \hline 4\ 5\ 2\ 4 \end{array} \quad \begin{array}{l} \checkmark \\ \checkmark \\ \checkmark \end{array}$ <p style="text-align: center;">OR</p> $\begin{aligned} &87 \times 52 \\ &= 80 \times 50 + 80 \times 2 + 7 \times 50 + 7 \times 2 \quad \checkmark \\ &= 4\ 000 + 160 + 350 + 14 \quad \checkmark \\ &= 4\ 000 + 510 + 14 \\ &= 4\ 524 \quad \checkmark \end{aligned}$	Accept any other correct method	3	3
9.4	$\begin{array}{r} 49\checkmark \\ 5 \overline{)245} \\ \underline{20} \checkmark \\ 45 \\ \underline{45} \checkmark \\ 0 \end{array}$ <p style="text-align: center;">OR</p> $\begin{aligned} &245 \div 5 \\ &= (200 + 40 + 5) \div 5 \\ &= (200 \div 5) + (40 \div 5) + (5 \div 5) \quad \checkmark \\ &= 40 + 8 + 1 \quad \checkmark \\ &= 49 \quad \checkmark \end{aligned}$	Accept any other correct method	3	3
10.	$112 \div 8 = 14 \quad \checkmark$		2	2

11.		<div><div>1 345</div><div><div>2 780</div>✓</div><div>483</div><div>691</div><div><div>238</div>✓</div></div>		1 1	2																																																	
12.	12.1	1cm ✓		1	2																																																	
	12.2	1 l ✓		1																																																		
13.		14:00 ✓ or 02:00 ✓		2	2																																																	
14.	14.1	<table><tr><th colspan="7">NOVEMBER</th></tr><tr><th>Sun</th><th>Mon</th><th>Tues</th><th>Wed</th><th>Thurs</th><th>Fri</th><th>Sat</th></tr><tr><td></td><td>1</td><td>2✓</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20✓</td></tr><tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr><tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr></table>	NOVEMBER							Sun	Mon	Tues	Wed	Thurs	Fri	Sat		1	2✓	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20✓	21	22	23	24	25	26	27	28	29	30						1 1	4
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	14.3	18 ✓		1																																																		
15.		<table><tr><th>Object</th><th>Object name</th><th>Number of curved faces</th><th>Number of flat faces</th></tr><tr><td></td><td>Cylinder ✓</td><td>1 ✓</td><td>2 ✓</td></tr></table>	Object	Object name	Number of curved faces	Number of flat faces		Cylinder ✓	1 ✓	2 ✓		1 1 1	3																																									
Object	Object name	Number of curved faces	Number of flat faces																																																			
	Cylinder ✓	1 ✓	2 ✓																																																			

16.	16.1	D2 ✓		1	2														
	16.2	<table><tr><td>1</td><td></td><td><div>✓</div></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td></tr></table>	1			<div>✓</div>			2						A	B	C	D	1
	1		<div>✓</div>																
2																			
	A	B	C	D															
17.	17.1	Mpho IIII II ✓ Shuaib IIII ✓		1 1	4														
	17.2.1	<div><div>Sweets liked by learners</div><div></div></div>		1															
	17.2.2	Tasneem ✓		1															

18.			3	3
19.	$60 \div 6 \checkmark = 10 \text{ trees } \checkmark$		2	2
20.	$4 \text{ cm} + 5 \text{ cm} + 3 \text{ cm} \checkmark = 12 \text{ cm } \checkmark$		2	2
21.	$< \quad \checkmark$		1	1
22.	Certain \checkmark		1	1
23.	6 $\checkmark \checkmark$	If they write 3, then give 1 mark	2	2
TOTAL			60	