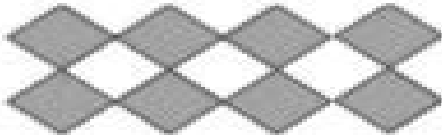


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MOCK ASSESSMENT # 1
MATHEMATICS
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MARK SCHEME

No.	SOLUTION	MARKS																												
1.	(a) Figure 4 of the pattern.  Figure 4 (b) (i) 14 grey tiles (ii) Figure 11 will have 22 grey tiles. (c) (i) Fill in the two missing spaces. <table><tr><th>Figure (n)</th><th>Grey tiles</th><th>White tiles</th><th>Total tiles (x)</th></tr><tr><td>1</td><td>2</td><td>0</td><td>2</td></tr><tr><td>2</td><td>4</td><td>1</td><td>5</td></tr><tr><td>3</td><td>6</td><td>2</td><td>8</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td><u>10</u></td><td>4</td><td><u>14</u></td></tr></table> (ii) Rule for the pattern. 3 × n − 1 = x	Figure (n)	Grey tiles	White tiles	Total tiles (x)	1	2	0	2	2	4	1	5	3	6	2	8	-	-	-	-	-	-	-	-	5	<u>10</u>	4	<u>14</u>	1 K 1 K 1 AT 1 AT 1 R
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