



basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

**GEC PILOT STUDY  
MARKING GUIDELINES 2024  
MATHEMATICS PAPER 1  
GRADE 9**

**SECTION A**

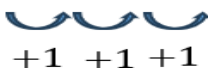

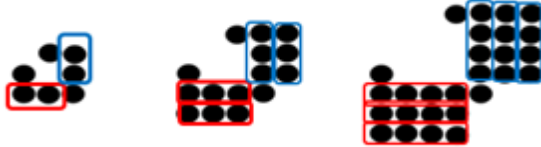
- One mark per answer.
- No half marks may be allocated.
- Tick (✓) only the correct answer and underline the incorrect answer.

| No. |   | Expected answer      | Key (✓) | Rational/Clarification   |
|-----|---|----------------------|---------|--|
| 1.  | D | $\frac{8}{0}$        | ✓       | A number divided by zero is undefined.   |
| 2.  | B | 5                    | ✓       | $125 = 5 \times 5 \times 5$<br>$200 = 2 \times 2 \times 2 \times 5 \times 5$<br>$510 = 2 \times 3 \times 5 \times 17$<br>HCF = 5   |
| 3.  | A | 1 800                | ✓       | $75 = 3 \times 5 \times 5$<br>$450 = 2 \times 3 \times 3 \times 5 \times 5$<br>$1800 = 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5$<br>LCM = $2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5$ |
| 4.  | C | Indirect proportion. | ✓       | As time decreases, the speed increases with the product of time and speed remaining constant.  |

| No. |   | Expected answer              | Key (✓) | Rational/Clarification  |
|-----|---|------------------------------|---------|---|
| 5.  | C | $\frac{2}{3}$ hour           | ✓       | $\text{Speed} = \frac{d}{t}$ $= \frac{6}{24}$ $= 0,25 \text{ km/h}$ $\text{Time} = \frac{d}{s}$ $= \frac{10}{0,25}$ $= 40 \text{ min}$ $= \frac{2}{3} \text{ h}$ <p><b>OR</b></p> $\text{Speed} = \frac{d}{t}$ $= \frac{6}{24 \div 60}$ $= 15 \text{ km/h}$ $\text{Time} = \frac{d}{s}$ $= \frac{10}{15}$ $= \frac{2}{3} \text{ h}$ |
| 6.  | A | 4,5 %                        | ✓       | $2023 - 2006 = 17 \text{ years}$ $A = P(1+i)^n$ $R11\,291,45 = R5300 \left(1 + \frac{i}{100}\right)^{17}$ $\left(\sqrt[17]{\frac{11291,45}{5300}} - 1\right) \times 100 = i$ $4,5\% = i$  |
| 7.  | C | $(-a \times e)(b \times -g)$ | ✓       | Changing the order of factors does not change the product.  |
| 8.  | B | $-\frac{1}{5}$ and 5         | ✓       | The sum of additive inverses is zero.<br>The product of multiplicative inverses is 1.   |
| 9.  | A | 22                           | ✓       | $6 - (3 - 5) + 9 - (-15) \div 3$ $= 6 - (-2) + 9 - (-5)$ $= 22$   |
| 10. | A | -21                          | ✓       | $\frac{5(3)(4) - 5(3 - (4) \times 3)}{-3 - 2}$ $= \frac{60 - 5(-9)}{-5}$ $= \frac{60 + 45}{-5}$ $= -21$   |

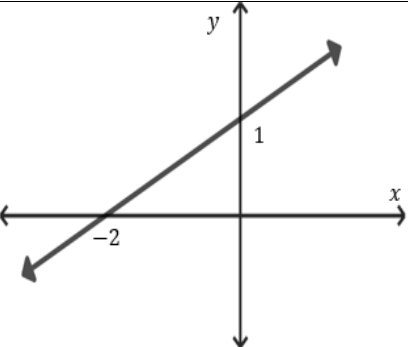
| No.   | Expected answer        | Key (✓) | Rational/Clarification   |
|-------|------------------------|---------|--|
| 11. D | -1                     | ✓       | $\frac{\sqrt[3]{125} - 3^2 + 0 + 1}{-4 + \sqrt{121} - \sqrt[3]{64}}$ $= \frac{5 - 9 + 0 + 1}{-4 + 11 - 4}$ $= \frac{-3}{3}$ $= -1$   |
| 12. A | 16                     | ✓       | $\left( \frac{\sqrt[3]{27} + \sqrt{\frac{50}{2}}}{\frac{4^2 - \sqrt[3]{8}}{\sqrt{49}}} \right)^2$ $= \left( \frac{3 + 5}{\frac{16 - 2}{7}} \right)^2$ $= \left( 8 \times \frac{7}{14} \right)^2$ $= 16$  |
| 13. A | $6n^5$                 | ✓       | $3n^3 \times 2n^2$ $= 3 \times 2 \times n^{3+2}$ $= 6n^5$  |
| 14. B | $-8x^6y^3$             | ✓       | $(-2x^2y)^3$ $= (-2)^3(x^2)^3y^3$ $= -8x^6y^3$   |
| 15. A | 6                      | ✓       | $2^{-2} \times 6^3 \times 3^{-2}$ $= 2^{-2} \times (2 \times 3)^3 \times 3^{-2}$ $= 2^{-2} \times 2^3 \times 3^3 \times 3^{-2}$ $= 2^{-2+3} \times 3^{3-2}$ $= 2^1 \times 3^1$ $= 6$ <p><b>OR</b></p> $\frac{1}{4} \times \frac{\cancel{216}}{1} \times \frac{1}{9}$ $= 6$ |
| 16. C | $\frac{-3}{x^2y^{11}}$ | ✓       | $-3(x^{-1}y^2)^{-3} \times (xy)^{-5}$ $= -3x^3y^{-6} \times x^{-5}y^{-5}$ $= -3x^{3-5}y^{-6-5}$ $= -3x^{-2}y^{-11}$ $= \frac{-3}{x^2y^{11}}$   |

| No.   | Expected answer  | Key (✓) | Rational/Clarification  |
|-------|------------------|---------|---|
| 17. B | $\frac{y^4}{4}$  | ✓       | $\left(\frac{y^2 + \frac{1}{y^{-2}}}{y^2 \times y^2}\right)^{-2}$ $\left(\frac{y^2 + y^2}{y^2 \times y^2}\right)^{-2}$ $= \left(\frac{2y^2}{y^{2+2}}\right)^{-2}$ $= \left(\frac{2^{-2} \times y^{-4}}{y^{-8}}\right)$ $= \frac{4^{-1} \times y^{-4}}{y^{-8}}$ $= 4^{-1} \times y^{-4+8}$ $= \frac{y^4}{4}$ <p><b>OR</b></p> $\left(\frac{y^2 + \frac{1}{y^{-2}}}{y^2 \times y^2}\right)^{-2}$ $\left(\frac{y^2 + y^2}{y^2 \times y^2}\right)^{-2}$ $= \left(\frac{2y^2}{y^{2+2}}\right)^{-2}$ $= \left(\frac{y^4}{2y^2}\right)^2$ $= \frac{y^8}{4y^4}$ $= \frac{y^4}{4}$ |
| 18. D | $\frac{2y^2}{x}$ | ✓       | $\frac{\sqrt{4x^6y^{-2}} \times (x^2)^{-2}}{(2x)^0y^{-3}}$  |

| No. | Expected answer   | Key (✓) | Rational/Clarification   |
|-----|---|---------|--|
|     |   |         | $= 2x^{3-4}y^{-1+3}$ $= 2x^{-1}y^2$ $= \frac{2y^2}{x}$   |
| 19. | B<br>Add 1 to the previous term to get the next term.                                   | ✓       | $\frac{1}{2}; \frac{3}{2}; \frac{5}{2}; \frac{7}{2}; \dots$    |
| 20. | A<br>8; 13  | ✓       | 0; 1; 1; 2; 3; 5; 8; 13<br>Add the previous two terms to determine the next term. (Fibonacci)  |
| 21. | C<br> | ✓       |  <p>         Pattern 1      Pattern 2      Pattern 3<br/>         2 dots          3 dots          4 dots<br/>         1 row            2 rows         3 rows<br/>         1 column        2 columns      3 columns<br/>         3 anchor dots in each pattern       </p> |
| 22. | A<br>324 cm <sup>2</sup>  | ✓       | 9 <sup>th</sup> square's side = 18 cm<br>Area = s <sup>2</sup><br>= (18 cm) <sup>2</sup><br>= 324 cm <sup>2</sup>  |
| 23. | D<br>-3pq <sup>2</sup> r and 5pq <sup>2</sup> r   | ✓       | Like terms have the same variables with the same exponents.  |
| 24. | D<br>3  | ✓       | The term with the smallest coefficient is -2x <sup>3</sup> and the exponent of x is 3.   |
| 25. | D<br>3  | ✓       | Only plus and minus signs separate terms.  |
| 26. | A<br>-6y <sup>3</sup> + 12y <sup>2</sup> - 1  | ✓       | -3y(2y <sup>2</sup> - 4y) - 1<br>= -6y <sup>3</sup> + 12y <sup>2</sup> - 1   |
| 27. | D<br>5y <sup>2</sup> + 3y - 2   | ✓       | $\frac{15y^3 - 3y(-y + 2) + 6y^2}{3y}$ $= \frac{15y^3 + 3y^2 - 6y + 6y^2}{3y}$ $= \frac{15y^3 + 9y^2 - 6y}{3y}$ $= 5y^2 + 3y - 2$  |
| 28. | C<br>$\frac{5y^4}{4}$   | ✓       | $\sqrt{y^8 + \frac{9}{16}y^8}$   |

| No. | Expected answer | Key (✓)                    | Rational/Clarification  |
|-----|-----------------|----------------------------|---|
|     |                 |                            | $= \sqrt{\frac{16y^8 + 9y^8}{16}}$ $= \sqrt{\frac{25y^8}{16}}$ $= \frac{5y^4}{4}$   |
| 29. | B               | $16x^2 - 4x + \frac{1}{4}$ | ✓ $\left(4x - \frac{1}{2}\right)^2$ $= \left(4x - \frac{1}{2}\right)\left(4x - \frac{1}{2}\right)$ $= 16x^2 - 2x - 2x + \frac{1}{4}$ $= 16x^2 - 4x + \frac{1}{4}$ |
| 30. | C               | 16                         | ✓ $\frac{9p^2 - 8q}{r}$ $= \frac{9(-1)^2 - 8\left(\frac{1}{8}\right)}{\frac{1}{2}}$ $= \frac{9 - 1}{\frac{1}{2}}$ $= 8 \times 2$ $= 16$                           |
| 31. | A               | $(5a - 4b)(5a + 4b)$       | ✓ $25a^2 - 16b^2$ $= (5a - 4b)(5a + 4b)$  |
| 32. | C               | $(y - 7)(y - 4)$           | ✓ $y^2 - 11y + 28$ $= (y - 7)(y - 4)$   |
| 33. | B               | $9(p - 2)(p + 5)$          | ✓ $9p^2 + 27p - 90$ $= 9(p^2 + 3p - 10)$ $= 9(p - 2)(p + 5)$  |
| 34. | C               | $\frac{2(a - 2)}{a + 2}$   | ✓ $\frac{2a^2 - 10a + 12}{a(a + 2) - 3(a + 2)}$ $= \frac{2(a^2 - 5a + 6)}{(a + 2)(a - 3)}$ $= \frac{2(a - 2)(a - 3)}{(a + 2)(a - 3)}$ $= \frac{2(a - 2)}{a + 2}$  |
| 35. | C               | $4 - p - q$                | ✓ $\frac{48r - 3r(p + q)^2}{12r + 3pr + 3qr}$ $= \frac{3r[16 - (p + q)^2]}{12r + 3pr + 3qr}$  |

| No. | Expected answer       | Key (✓) | Rational/Clarification  |
|-----|-----------------------|---------|---|
|     |                       |         | $= \frac{3r[4 - (p + q)][4 + (p + q)]}{3r(4 + p + q)}$ $= \frac{3r[4 - p - q][4 + p + q]}{3r(4 + p + q)}$ $= 4 - p - q$ |
| 36. | D $\frac{1}{2}$       | ✓       | $-2 = -4m$ $\frac{-2}{-4} = m$ $m = \frac{1}{2}$  |
| 37. | B -14                 | ✓       | $\frac{a}{7} = -2$ $a = -14$  |
| 38. | A $x = 4$             | ✓       | $(x - 4)^2 = 0$ $x - 4 = 0$ $x = 4$   |
| 39. | C $x = 3$ or $x = 1$  | ✓       | $(x - 3)(1 - x) = 0$ $x - 3 = 0 \text{ or } 1 - x = 0$ $x = 3 \text{ or } -x = -1$ $x = 1$                              |
| 40. | D $y = 2x - 3$        | ✓       | $y$ is the selling price, $x$ is the cost price.<br>Selling price = double cost price minus three.                      |
| 41. | A 5                   | ✓       | $4(x - 1) = 16$ $x - 1 = 4$ $x = 5$   |
| 42. | C (1; 1)              | ✓       | $y = x^2 - 1$ $1 \neq (1)^2 - 1$ <p>Does NOT satisfy the equation.</p>  |
| 43. | B $x = 6$ or $x = -3$ | ✓       | $x^2 - 3x - 18 = 0$ $(x - 6)(x + 3) = 0$ $x = 6 \text{ or } x = -3$   |
| 44. | B -1                  | ✓       | $2^m + 0,5 = 1$ $2^m = 1 - \frac{1}{2}$ $2^m = 2^{-1}$ $m = -1$   |
| 45. | A 0 or $\frac{1}{4}$  | ✓       | $\frac{6x}{3} - x = 4x^2$ $6x - 3x = 12x^2$ $12x^2 - 3x = 0$ $3x(4x - 1) = 0$ $x = 0 \text{ or } x = \frac{1}{4}$       |

| No.    | Expected answer   | Key (✓) | Rational/Clarification  |       |    |   |   |   |        |     |    |   |   |
|--------|---|---------|---|-------|----|---|---|---|--------|-----|----|---|---|
| 46. C  | 10 and 12 or -10 and -12  | ✓       | Let the first even number be $2x$ .<br>$2x(2x + 2) = 120$<br>$4x^2 + 4x - 120 = 0$<br>$4(x^2 + x - 30) = 0$<br>$4(x + 6)(x - 5) = 0$<br>$x = -6$ or $x = 5$<br>Even numbers: 10 and 12 or -12 and -10                                     |       |    |   |   |   |        |     |    |   |   |
| 47. B  | -4  | ✓       | <table border="1"> <tr> <td>Input</td> <td>-1</td> <td>2</td> <td>5</td> <td>8</td> </tr> <tr> <td>Output</td> <td><math>b</math></td> <td>-1</td> <td>2</td> <td>5</td> </tr> </table><br>Output = Input - 3<br>$b = -1 - 3$<br>$b = -4$ | Input | -1 | 2 | 5 | 8 | Output | $b$ | -1 | 2 | 5 |
| Input  | -1  | 2       | 5   | 8     |    |   |   |   |        |     |    |   |   |
| Output | $b$   | -1      | 2   | 5     |    |   |   |   |        |     |    |   |   |
| 48. C  | 7   | ✓       | $y = -2x - 3$<br>$= -2(-5) - 3$<br>$= 10 - 3$<br>$= 7$  |       |    |   |   |   |        |     |    |   |   |
| 49. D  | Multiply by -3  | ✓       | $-2(-3) = 6$<br>$-1(-3) = 3$<br>$2(-3) = 6$<br>$\therefore$ multiply by -3  |       |    |   |   |   |        |     |    |   |   |
| 50. C  |  | ✓       | The table clearly indicates the $x$ -intercept, $(-2; 0)$ and the $y$ -intercept, $(0; 1)$ .  |       |    |   |   |   |        |     |    |   |   |
| 51. D  | $\frac{-3}{22}$   | ✓       | $-\frac{2a}{3} + 1 = -8a$<br>$-2a + 3 = -24a$<br>$-2a + 24a = -3$<br>$22a = -3$<br>$a = \frac{-3}{22}$  |       |    |   |   |   |        |     |    |   |   |
| 52. B  | $y = -2x + 4$   | ✓       | $A(3; -2) \rightarrow A'(2; 0)$<br>Join the points.<br>$y$ -intercept = 4<br>Gradient = $\frac{\text{vertical change}}{\text{horizontal change}}$<br>$= \frac{-2 - 0}{3 - 2}$<br>$= -2$   |       |    |   |   |   |        |     |    |   |   |



| No. | Expected answer     | Key (✓) | Rational/Clarification  |
|-----|---------------------|---------|---|
|     |                     |         | The equation is $y = -2x + 4$ .   |
| 53. | C (0; 3)            | ✓       | $y = -2x + 3$<br>If $x = 0$ then $y = 3$ .  |
| 54. | B $y = 3$           | ✓       | Gradient of a horizontal line equal to zero.<br>$y$ -intercept of $f$ is 3, therefore $y = 3$ .   |
| 55. | D $\frac{-3}{2}$    | ✓       | The gradient of a line is equal to the coefficient of $x$ in $y = mx + c$ .   |
| 56. | A $y = -x - 2$      | ✓       | $m = \frac{y_1 - y_2}{x_1 - x_2}$ $= \frac{-3 - (-2)}{1 - 0}$ $= \frac{-1}{1}$ $= -1$ $y$ -intercept: (0; -2)<br>$c = -2$<br>Substitute in $y = mx + c$<br>$y = -x - 2$ |
| 57. | D (2; 0) and (0; 4) | ✓       | $x$ -intercept: $y = 0$<br>$4x + 2(0) = 8$<br>$x = 2$<br>(2; 0)<br>$y$ -intercept: $x = 0$<br>$4(0) + 2y = 8$<br>$y = 4$<br>(0; 4)                                      |
| 58. | C $c < 0; m > 0$    | ✓       | The $y$ -intercept is negative and the gradient is positive.  |
| 59. | D $-\frac{2}{3}$    | ✓       | Use any two of (-2;3); (4; -1) or (1; 1).<br>$m = \frac{y_2 - y_1}{x_2 - x_1}$ $= \frac{-1 - 3}{4 + 2}$ $= \frac{4}{6}$ $= -\frac{2}{3}$                                |

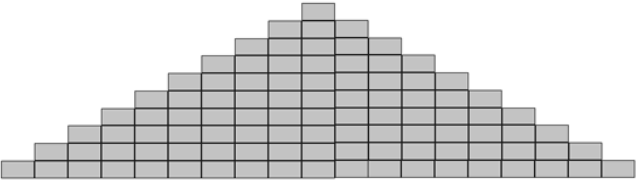
| No.                    | Expected answer | Key<br>(✓) | Rational/Clarification  |
|------------------------|-----------------|------------|---|
| 60. C                  |                 | ✓          | $2y - 6x - 4 = 0$ $y = 3x + 2 \quad \text{Standard form}$ <p>∴ gradient = 3 and y-intercept = 2</p> |
| <b>SECTION A TOTAL</b> |                 |            | <b>[60]</b>   |

**SECTION B**

| Marking guideline for Section B   |     |                                 |
|---|-----|---------------------------------|
| <ul style="list-style-type: none"> <li>Do not penalise the learner for the same mistake more than once.</li> <li><i>There are no half marks.</i></li> <li>Underline errors committed by learners do not place a cross (X).</li> <li>In instances where learners have used different but mathematically sound strategies to solve problems, they (learners) must be credited.</li> <li>Consistent accuracy must be applied.</li> </ul> |     |                                 |
| <b>M</b>  | key | a mark for a correct method     |
| <b>A</b>  |     | a mark for accurate calculation |
| <b>CA</b>   |     | a mark for consistent accuracy  |

| No. | Expected answer  | Rational/Clarification  | Mark |
|-----|--|---|------|
| 61. | $\frac{-5x(2x - 4x^2) + x^2(1 + 16x)}{-10x^2 + 20x^3 + x^2 + 16x^3} \checkmark \mathbf{M}$ $= \frac{-9x^2 + 36x^3}{-3x} \checkmark \mathbf{CA}$ $= 3x - 12x^2 \checkmark \mathbf{CA}$ <p><b>OR</b></p> $\frac{-5x(2x - 4x^2) + x^2(1 + 16x)}{-10x^2 + 20x^3 + x^2 + 16x^3}$ $= \frac{-5x(2x - 4x^2)}{-10x^2 + 20x^3} + \frac{x^2(1 + 16x)}{x^2 + 16x^3} \checkmark \mathbf{M}$ $= \frac{10}{3}x - \frac{20}{3}x^2 - \frac{1}{3}x - \frac{16}{3}x^2 \checkmark \mathbf{CA}$ $= 3x - 12x^2 \checkmark \mathbf{CA}$ | <p>Simplification: 1 mark<br/> <math>-9x^2 + 36x^3</math>: 1 mark</p> <p>Answer: 1 mark</p> <p style="text-align: right;"><b>OR</b></p> <p>Simplification: 1 mark<br/> <math>\frac{10}{3}x - \frac{20}{3}x^2 - \frac{1}{3}x - \frac{16}{3}x^2</math>:<br/> 1 mark</p> <p>Answer: 1 mark</p> | (3)  |
| 62. | $2x^2 - 6x = (x - 3)(x + 3)$ $2x^2 - 6x = x^2 - 9 \checkmark \mathbf{M}$ $x^2 - 6x + 9 = 0 \checkmark \mathbf{CA}$ $(x - 3)^2 = 0$ $x = 3 \checkmark \mathbf{CA}$  | <p><math>x^2 - 9</math>: 1 mark</p> <p>Standard form: 1 mark</p> <p>Answer: 1 mark</p>  | (3)  |

| No. | Expected answer  | Rational/Clarification  | Mark |
|-----|--|---|------|
| 63. | <p>Used <math>(-1; 2)</math> and <math>(5; -1)</math>.</p> <p>Any 2 applicable points may be used. ✓M</p> $\text{Gradient} = \frac{2 - (-1)}{-1 - 5}$ $= \frac{2 + 1}{-1 - 5}$ $= \frac{3}{-6}$ $= -\frac{1}{2} \checkmark \text{CA}$ $y = -\frac{1}{2}x + c$ <p>y-intercept: Substitute any applicable point.</p> $0 = -\frac{1}{2}(3) + c \checkmark \text{M}$ $c = 0 + \frac{3}{2}$ $= \frac{3}{2} \text{ or } 1\frac{1}{2} \checkmark \text{CA}$ $y = -\frac{1}{2}x + 1\frac{1}{2} \checkmark \text{CA}$ | <p>Identification of 2 points:<br/>1 Mark</p> <p>Gradient calculation:<br/>1 Mark</p> <p><b>OR</b></p> <p><b>2 marks for the correct gradient</b></p> <p>Substitution of gradient and point:<br/>1 Mark</p> <p>Calculation of y-intercept:<br/>: 1 Mark</p> <p>Equation: 1 Mark</p> | (5)  |

|  |                                  |  |                                |   |     |
|--|----------------------------------|--|--------------------------------|---|-----|
| 64.  | <b>Number of layers in stack</b> | <b>Blocks per layer</b>                            | <b>Total number of blocks.</b> | Correct number of blocks for 3 stacks: 1 mark<br>Correct number of blocks for next 3 stacks: 1 mark<br>Correct number of blocks for next 3 stacks: 1 mark<br>Answer: 1 mark | (4) |
|  | 1                                | 1  | 1                              |   |     |
|  | 2                                | $1 + 2 = 3$  | 4                              |   |     |
|  | 3                                | $3 + 2 = 5$  | 9                              |   |     |
|  | 4                                | $5 + 2 = 7$  | 16                             |   |     |
|  | 5                                | $7 + 2 = 9$  | 25                             |   |     |
|  | 6                                | $9 + 2 = 11$                                       | 36                             |   |     |
|  | 7                                | $11 + 2 = 13$                                      | 49                             |   |     |
|  | 8                                | $13 + 2 = 15$                                      | 64                             |   |     |
|  | 9                                | $15 + 2 = 17$                                      | 81                             |   |     |
| 10   | $17 + 2 = 19$                    | 100  |                                |   |     |
| <b>OR</b>  |                                  |  |                                |   |     |
|    |                                  |  |                                |   |     |
| <b>OR</b>  |                                  |  |                                |   |     |
|  | <b>Number of layers in stack</b> | <b>Total number of blocks used.</b>                |                                |   |     |
|  | 1                                | 1  |                                |   |     |
|  | 2                                | $1 + 3 = 4$  |                                |   |     |
|  | 3                                | $1 + 3 + 5 = 9$                                    |                                |   |     |
|  | 4                                | $1 + 3 + 5 + 7 = 16$                               |                                |   |     |
|  | 5                                | $1 + 3 + 5 + 7 + 9 = 25$                           |                                |   |     |
|  | 6                                | $1 + 3 + 5 + 7 + 9 + 11 = 36$                      |                                |   |     |
|  | 7                                | $1 + 3 + 5 + 7 + 9 + 11 + 13 = 49$                 |                                |   |     |
|  | 8                                | $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 = 64$            |                                |   |     |
|  | 9                                | $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 = 81$       |                                |   |     |
|  | 10                               | $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19 = 100$ |                                |   |     |
| Number of blocks is equal to number of layers multiplied by itself. ✓M<br>Number of blocks = $y$ . Number of layers = $x$<br>$y = x \times x$ ✓M<br>$y = 10 \times 10$ ✓M<br>$y = 100$ ✓CA |                                  |  |                                |   |     |
| Maths sentence: 1 mark<br>Formula: 1 mark<br>Substitution: 1 mark<br>Answer: 1 mark<br><b>Full marks for correct answer only.</b>  |                                  |  |                                |   |     |

| No.                    | Expected answer | Rational/Clarification | Mark        |
|------------------------|-----------------|------------------------|-------------|
| <b>SECTION B TOTAL</b> |                 |                        | <b>[15]</b> |
| <b>TOTAL</b>           |                 |                        | <b>[75]</b> |