|  |  |
| --- | --- |
| **10 a**  **nth term** | Write down the next three terms in the sequence  11, 15, 19, 23, ……, ……, …… (1)  Write down the rule for the sequence  ………………………………………….  (2) |
| **9 a**  **Substitution** | V = 3b + 2b2   1. Find V when b = 3 ……………………………   (1)   1. Find V when b = **-** 4 …………………………….   (2) |
| **8 a**  **Expanding and factorising expressions** | Expand 4( *x* + 2 ) ………………………………..  (1)  Simplify 3*x* 2 + 12x  ………………………………..  (2)  Expand ( *x* + 3 )( *x* + 4 )  …………………………………  (2) |
| **7 a**  **Simplifying and collecting terms** | 1. Simplify d + d + d + d + d …………………………   (1)   1. Simplify 3 x m x 2 …………………………   (1)   1. Simplify 6k + 3j – 2k + 5j …………………………   (2) |
| **6 a**  **Solving equations** | 1. Solve 4*x* = 20 *x* = …………………………..   (1)   1. Solve y – 8 = 13 y = ……………………………   (1)     1. Solve 3m + 7 = 34 m = ………………………….   (2) |
| **5 a**  **Interior/ Exterior angles** | (4) |
| **4 a**  **Angles in parallel lines** | (3) |
| **3 a**  **Stem and Leaf** | How many cars had a speed of more than 50 miles per hour?  ……………………………  (1)  Find the median speed …………………………….mph  (1)  Work out the range of speeds …………………………….mph  (1) |
| **2 a**  **Multiply numbers**  **(non calc)** | Multiply 36 x 42  …………………………………….  (2) |
| **1 a**  **Tessellation** |  |