|  |  |
| --- | --- |
| **10 a** **nth term** | Write down the next three terms in the sequence11, 15, 19, 23, ……, ……, …… (1)Write down the rule for the sequence …………………………………………. (2) |
| **9 a****Substitution** | V = 3b + 2b21. 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** |  |