|  |  |  |  |
| --- | --- | --- | --- |
|  | Green | Amber | Red |
|  | Solve *x –* 2 = 9 | Solve 4*x*  = 22 | Solve 5*x +* 6 = 21 |
|  | Solve 5(*x –* 2) = 40 | Solve 7 *x* + 2 = 5 *x* + 8 | Solve 4(2*x* + 1) = 2(3 – *x*) |
|  | Solve | Solve  = *x* – 5 | Solve 7(*x* + 2) = |
|  | Solve 3 *x* – 4 < 16  | Solve 5 + *x*  > 5 *x* – 11 | Solve 4 < 3 *x* – 2 ≤ 7 |
|  | Solve the simultaneous equations  2*x* + *y* = 7  5*x* + *y* = 16 | Solve the simultaneous equations    3*x* + *y* = 1  *x –* 2*y* = 19 | Solve the simultaneous equations  2*x* – 3*y* = 11  5*x* + 2*y* = 18 |
|  | Solve *x*2 – 3*x* – 18 = 0 | Solve 3*x*2 + 4*x* – 15 = 0 | Solve 2*x*2 + 7*x* = 15 |
|  | Solve *x*2 – 2*x* – 1 = 0  Give your solutions correct to 2 decimal places. | Solve 3*x*2 + 7*x* – 13 = 0  Give your solutions correct to 2 decimal places. | The diagram shows a 6-sided shape. All the corners are right angles. The area of the shape is 95 cm2.  Form an equation in terms of *x* and solve. 2*x*2 + 6*x* – 95 = 0  Give your solutions to 3 s.f. |