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| **Crack the Code** | **Straight Line Graphs** |

Answer all the questions, then add your answers together to find the three-digit code

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| Write down the gradient of the line with equation | Complete the table for   |  |  |  |  | | --- | --- | --- | --- | |  | 1 | 2 | 3 | |  |  |  |  | | Write down the coordinates of this point. | Write down the y-intercept of the line with equation | Write down the gradient of the line with equation | Find the gradient |
| Write down the coordinates of this point. | Find the y-intercept | Write down the gradient of the line with equation | Complete the table for   |  |  |  |  | | --- | --- | --- | --- | |  | 3 | 4 | 5 | |  |  |  |  | | The equation of this line is | Write down the y-intercept of the line with equation |
| Find the missing coordinate in the rhombus with vertices (1, 5), (7, 3) and (13, 5) | Write down the y-intercept of the line with equation | Find the gradient | Find the y-intercept | Complete the table for   |  |  |  |  | | --- | --- | --- | --- | |  | 1 | 2 | 3 | |  |  |  |  | | Write down the coordinates of this point. |
| Write down the y-intercept of the line with equation | Complete the table for   |  |  |  |  | | --- | --- | --- | --- | |  | 1 | 2 | 3 | |  |  |  |  | | Find the y-intercept | Write down the gradient of the line with equation | Find the gradient | Three corners of a square are (1, 3), (4, 3) and (1, 6). What are the coordinates of the fourth corner? |
| Write down the gradient of the line with equation | Write down the coordinates of this point. | Write down the y-intercept of the line with equation | Find the gradient | Complete the table for   |  |  |  |  | | --- | --- | --- | --- | |  | 2 | 3 | 4 | |  |  |  |  | | Find the y-intercept |
| Find the gradient | Two corners of a rectangle are (5, 6) and (7, 12). What are the coordinates of the other two corners? | Complete the table for   |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 5 | 6 | |  |  |  |  | | Write down the y-intercept of the line with equation | Write down the gradient of the line with equation | The equation of this line is |