Crack the Code

Straight Line Graphs   CODE = 254

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

Write down the gradient of the line with equation $y = 5x - 1$	Complete the table for $y = 2x + 3$	Write down the coordinates of this point.	Write down the y-intercept of the line with equation $y = x + 10$	Write down the gradient of the line with equation $y = -x + 7$	Find the gradient
5	x: 1, 2, 3 — y: **5 7 9**	× **(3,2)**	**(0,10)**	**-1**	**1**

Write down the coordinates of this point.	Find the y-intercept	Write down the gradient of the line with equation $y = 8 + 2x$	Complete the table for $y = 3x - 2$	The equation of this line is $y =$?	Write down the y-intercept of the line with equation $y = 8 + 5x$
(1,4)	**(0,3)**	**2**	x: 3, 4, 5 — y: **7 10 13**	**2**	**(0,8)**

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 $y = \frac{1}{2}x - 1$	Find the gradient	Find the y-intercept	Complete the table for $y = -x + 6$	Write down the coordinates of this point.
(7,7)	**(0,-1)**	**2**	**(0,2)**	x: 1, 2, 3 — y: **5 4 3**	× **(-1,1)**

Write down the y-intercept of the line with equation $y = 2x - 5$	Complete the table for $y = 5x + 2$	Find the y-intercept	Write down the gradient of the line with equation $y = 7x$	Find the gradient	Three corners of a square are (1, 3), (4, 3) and (1, 6). What are the coordinates of the fourth corner?
(0,-5)	x: 1, 2, 3 — y: **7 12 17**	**(0,-1)**	**7**	**4**	**(4,6)**

Write down the gradient of the line with equation $y = -3x - 2$	Write down the coordinates of this point.	Write down the y-intercept of the line with equation $y = 3x + 15$	Find the gradient	Complete the table for $y = -2x + 10$	Find the y-intercept
-3	**(2,-1)** ×	**(0,15)**	**-1**	x: 2, 3, 4 — y: **6 4 2**	**(0,4)**

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 $x + y = 10$	Write down the y-intercept of the line with equation $y = -x + 6$	Write down the gradient of the line with equation $2y = 6x + 10$	The equation of this line is $x =$?
-2	**(5,12) (7,6)**	x: 4, 5, 6 — y: **6 5 4**	**(0,6)**	**3**	**3**