

# CRYPTIC QUIZ

1. Why did the little girl paint spots on the staircase?

Answer:

14 7 4 3 11 14 11 14 15 4 1 9 2 15 15 4 12

2. What do you call a thirty-six-inch two-by-four?

Answer:

11 10 6 13 8 4 12 5 11 12 9

Solve each equation for  $y$  in terms of  $x$ . Find your answer below and notice the letter next to it. Each time the exercise number appears in the code, write this letter above it.

①  $x + y = 5$

②  $-3x + y = -2$

③  $x - y = 7$

④  $-4x - y = 1$

⑤  $3x - y = -10$

Answers:

Ⓔ  $y = -4x - 1$

Ⓕ  $y = 3x - 1$

Ⓟ  $y = -x + 5$

Ⓦ  $y = x - 7$

Ⓨ  $y = 3x + 10$

Ⓞ  $y = 3x - 2$

⑥  $-x + 2y = 6$

⑦  $x - 2y = 2$

⑧  $-2x + 3y = -12$

⑨  $5x + 2y = 1$

⑩  $4x - 3y = -2$

Answers:

Ⓓ  $y = -\frac{5}{2}x + \frac{1}{2}$

Ⓤ  $y = \frac{1}{2}x + 3$

Ⓛ  $y = \frac{4}{3}x + \frac{2}{3}$

Ⓖ  $y = \frac{3}{4}x - 4$

Ⓕ  $y = \frac{1}{2}x - 1$

Ⓑ  $y = \frac{2}{3}x - 4$

⑪  $3x + 2y - 6 = 0$

⑫  $x - 4y + 2 = 0$

⑬  $-2x - 6y = 0$

⑭  $8y - 3x = -6$

⑮  $7x = 2y$

Answers:

Ⓝ  $y = \frac{4}{3}x + \frac{1}{4}$

Ⓢ  $y = \frac{3}{8}x - \frac{3}{4}$

Ⓡ  $y = \frac{1}{4}x + \frac{1}{2}$

Ⓐ  $y = -\frac{3}{2}x + 3$

Ⓣ  $y = \frac{7}{2}x$

Ⓜ  $y = -\frac{1}{3}x$