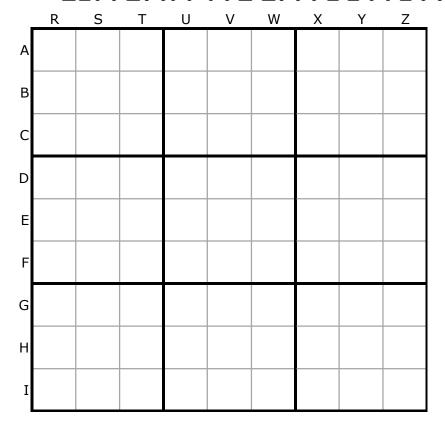
LINEAR RELATIONSHIPS SUDOKU



| AT: slope of the line through | |
|-------------------------------|--|
| (300,412) and (420,652) | |

AV: y-intercept of 7x - 3y = -24

AY: x-intercept of
$$\frac{x}{4} - \frac{y}{11} = 1$$

AZ: the next value of the linear equation in the table below:

| Х | у |
|----|----|
| -2 | -6 |
| 0 | -2 |
| 2 | 2 |
| 4 | |

BS: slope of
$$\frac{x}{-2} + \frac{y}{8} = 1$$

BW: If a line has a slope of 3 and contains the points (3,1) and (5,y), then what is the value of y?

CT: slope of the line through

$$\left(-\frac{2}{5}, \frac{1}{4}\right)$$
 and $\left(\frac{7}{10}, \frac{71}{20}\right)$

CW: y-intercept of y = 5

CZ: slope of y = 8(x+1)

| DU: Which equation below is a linear relationship? | GR: Which table below is a linear relationship? | | | | |
|--|--|--|--|--|--|
| #1: $y = \frac{1}{2x} + 3$ #2: $y = 5 - 2x + 3x^2$ | x 1 2 5 | | | | |
| 2x | y 10 4 -2 | | | | |
| #3: $y + 4 = \frac{2}{5}(x - 1)$ #4: $xy = 1$ | #2: | | | | |
| DNA/ plane of the line recelled to a | y -1 1.5 4 | | | | |
| DW: slope of the line parallel to $y = 6x - 8$ | GU: the y-value on the line $y = 2x - 4$ when | | | | |
| | x = 6 | | | | |
| DX: slope of the line perpendicular to $y = -\frac{1}{2}x$ | GX: the number of quadrants in the Cartesian (rectangular) coordinate system | | | | |
| ER: the x-value on the line $y = 2x - 4$ when $y = 10$ | HU: slope of the line through $(0,0)$ and $(7,49)$ | | | | |
| EV: 2 (free space) | HY: slope of the line through $(-9,-81)$ and $(0,0)$ | | | | |
| EZ: slope of the line parallel to $y = x$ | IR: y-intercept of $y + 6 = 5(x + 2)$ | | | | |
| FT: slope of the line perpendicular to a line with slope of $-\frac{1}{5}$ | IS: y-intercept of the line with slope of 2 and through the point $(14,3)$ | | | | |
| FU: maximum number of y-intercepts that a line can have | IV: x-intercept of $y = 2x - 12$ | | | | |
| FW: x-intercept of $3x - 3y = 24$ | IX: slope of the line perpendicular to $x + y = 8$ | | | | |

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| - 17 | R | S | T | U | V | W | Х | Y | Z |
|------|---|---|---|---|---|---|---|---|---|
| Α | 5 | 7 | 2 | 9 | 8 | 1 | 3 | 4 | 6 |
| В | 8 | 4 | 1 | 6 | 3 | 7 | 5 | 2 | 9 |
| С | 9 | 6 | 3 | 2 | 4 | 5 | 7 | 1 | 8 |
| D | 1 | 9 | 4 | 3 | 5 | 6 | 2 | 8 | 7 |
| Е | 7 | 3 | 8 | 4 | 2 | 9 | 6 | 5 | 1 |
| F | 6 | 2 | 5 | 1 | 7 | 8 | 9 | 3 | 4 |
| G | 2 | 1 | 7 | 8 | 9 | 3 | 4 | 6 | 5 |
| Н | 3 | 5 | 6 | 7 | 1 | 4 | 8 | 9 | 2 |
| Ι | 4 | 8 | 9 | 5 | 6 | 2 | 1 | 7 | 3 |

| AT 2 |
|------|
| AV 8 |
| AY 4 |
| |
| AZ 6 |
| BS 4 |
| BW 7 |
| CT 3 |
| CW 5 |
| C7 8 |

| DU 3 | |
|------|--|
| DW 6 | |
| DX 2 | |
| ER 7 | |
| EV 2 | |
| EZ 1 | |
| FT 5 | |
| FU 1 | |
| FW 8 | |
| | |

| IR 4 IS 8 IV 6 | GR 2 GU 8 GX 4 HU 7 HY 9 |
|----------------------|--------------------------------------|
| | IS 8 |