

4.4 Puzzle Time

Did You Hear About...

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P		

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

$\frac{3}{2}$ MANY
$-\frac{1}{2}$ WHO
-12 THAT
-7 SO
0.25 SEASON
-5 GAVE
-2 FOR
16 TICKETS
$\frac{2}{3}$ THE
-8 DRIVING

Find the slope of the graph of the linear equation.

- A. $3y = 2x + 3$ B. $y = -x - 2$
 C. $4y = -2x + 12$ D. $5y - 10 = x$

Find the y-intercept of the graph of the linear equation.

- E. $y = 4x - 4$ F. $2y = x - 4$
 G. $y - 12 = -9x$ H. $7 + y = 4.3x$

Find the x-intercept of the graph of the linear equation.

- I. $y = 6x - 9$ J. $3y = 2x + 36$
 K. $2y = -5x + 7$ L. $3y - 9 = 4x$
 M. $y = 1.6x + 8$ N. $y + 15 = 12.5x$

O. Shannon's hair is 12 inches long and grows 0.25 inch per month. In an equation that represents the length y of her hair after x months, what number represents the slope?

P. You have a \$20 gift card to a coffee shop. Each time you go there, you get chai tea for \$1.25. The equation $y = -1.25x + 20$ represents how much you have left on the gift card after x visits. How many chai teas can you purchase before the balance on your card runs out?

-4 STOPPED
5 HAD
$-\frac{9}{4}$ POLICE
-1 LADY
22 CAR
$\frac{7}{5}$ THE
-18 TIMES
$\frac{1}{5}$ GOT
1.2 HER
12 SPEEDING