



Puzzle Time

What Can't Walk, But Can Run?

Write the letter of each answer in the box containing the exercise number.

Solve the equation for y .

1. $16 - 12x = 4y$

A. $y = -3x + 4$

B. $y = 3x + 4$

C. $y = -3x - 4$

2. $2x + \frac{6}{5} = 2y$

D. $y = 2x + \frac{6}{5}$

E. $y = x + \frac{3}{5}$

F. $y = 2x + \frac{3}{5}$

3. $7 = 14x - 42y$

G. $y = -\frac{2}{3}x - \frac{1}{6}$

H. $y = \frac{1}{3}x + \frac{1}{6}$

I. $y = \frac{1}{3}x - \frac{1}{6}$

4. $8.1x - 4.5y = 5.4$

R. $y = 1.8x - 1.2$

S. $y = -1.8x + 1.2$

T. $y = 1.8x + 1.2$

5. The formula for Body Mass Index is $BMI = \frac{w}{h^2} \times 703$, where w is a person's weight (in pounds) and h is a person's height (in inches). Find the weight (to the nearest pound) of a 13-year-old boy who is 60 inches tall and has a BMI of 20.5.

Q. 98 pounds

R. 105 pounds

S. 112 pounds

6. The formula $d = rt$ relates distance d to rate r and time t . Find how long it takes an airplane to fly 375 miles at 500 miles per hour.

T. 35 minutes

U. 40 minutes

V. 45 minutes

1		5	3	6	2	4
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