

## Smarty Balanced Math Practice III

**1. Which fraction is equivalent to 0.375?**

- (A)  $\frac{4}{25}$   
(B)  $\frac{1}{6}$   
(C)  $\frac{3}{8}$   
(D)  $\frac{3}{20}$

**2.  $2\sqrt{5}$  is between which two numbers?**

- (A) 4 and 5  
(B) 2 and 3  
(C) 3 and 4  
(D) 10 and 11

**3. A square has an area of 64 square units. What is the length of one side square?**

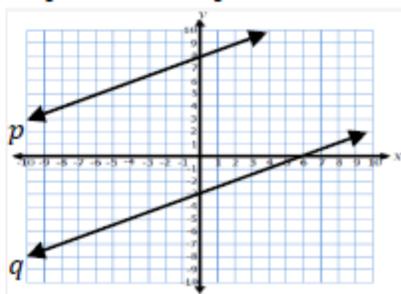
- (A) 7  
(B) 6  
(C) 10  
(D) 8

**4. The total length of the world's coastlines is about 315,000 miles. Which answer expresses this in scientific notation?**

- (A)  $3.15 \times 10^{-6}$   
(B)  $3.15 \times 10^{-5}$   
(C)  $3.15 \times 10^6$   
(D)  $3.15 \times 10^5$

**7. What relationship can be determined about the slopes of line  $p$  and line  $q$ ?**

- (A) The slope of line  $p$  is equal to the slope of line  $q$ .  
(B) The slope of line  $p$  is greater than the slope of line  $q$ .  
(C) The slope of line  $p$  is less than the slope of line  $q$ .  
(D) No relationship can be determined from the graph.

**11. Solve the equation for  $x$ .  $\frac{1}{2}(x - 7) = \frac{3}{5}(5x + 15)$** 

- (A)  $x = -\frac{16}{5}$   
(B)  $x = \frac{16}{5}$   
(C)  $x = 5$   
(D)  $x = -5$

12. Which point is a solution to the system  $\begin{cases} 2x + y = 7 \\ x - y = 2 \end{cases}$ ?

- (A) (4, -1)
- (B) (2, 3)
- (C) (3, 1)
- (D) (5, 3)

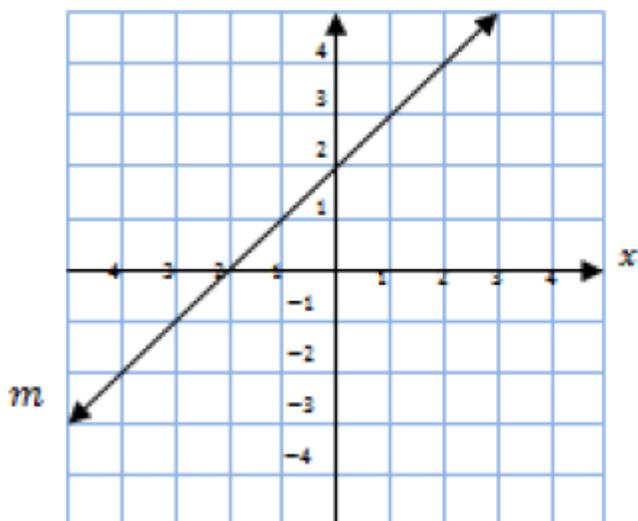
13. Solve the system of linear equations  $\begin{cases} y = -x + 3 \\ y = \frac{1}{2}x + 9 \end{cases}$ .

- (A) (1, 2)
- (B) (-4, 7)
- (C) (4, -1)
- (D) (6, 12)

14. Mark and Sally were selling candy bars for their school fundraiser. Together they sold 49 candy bars. Sally sold one less than four times the amount Mark sold. How many candy bars did Sally sell?

- (A) 29
- (B) 34
- (C) 39
- (D) 44

8. Write an equation for line  $m$  in slope-intercept form.



*You know what seems odd to me? Numbers that aren't divisible by two."*