



Name \_\_\_\_\_

Date \_\_\_\_\_

1) It takes 7 hours to mow 4 lawns. At this rate, how many lawns can be mowed in 42 hours?

- a) 20 lawns  
 b) 34 lawns  
 c) 28 lawns  
 d) 39 lawns

6) Which expression is equivalent to the expression below?

$$32x + 72y$$

- a)  $8(4x + 9y)$     c)  $16(2x + 4y)$   
 b)  $8(4x + 9y)$     d)  $16(2x + 9y)$

2)

Solve:

$$\frac{2}{3} + \frac{3}{4} =$$

7) Solve for x when y = 12

$$3x + 5 = 2y + 2$$

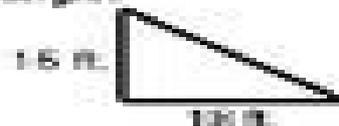
$$x = \underline{\hspace{2cm}}$$

3)

Solve:

$$24\sqrt{5672}$$

8) Find the area of the right triangle.



- a) 135 sq. ft.    c) 200 sq. ft.  
 b) 180 sq. ft.    d) 270 sq. ft.

4) Solve:

$$\begin{array}{r} 12.25 \\ \times 3.85 \\ \hline \end{array}$$

- a) 44.6395  
 b) 446.395  
 c) 34.6395  
 d) 38.6395

9) Find the mean and mode of the following data set.

$$\boxed{24, 24, 24, 25, 25, 25, 31}$$

Mean \_\_\_\_\_ Mode \_\_\_\_\_

5) Solve:

$$4^2$$

\_\_\_\_\_

10) What symbol makes the number sentence true?

$$-5 \bigcirc -7$$

- a) <    c) =  
 b) >    d) [

# 6th Grade Math Common Core Test Questions

**Xiaolong Qi**



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