

May 23, 2019

Periods 1,2,4,6

Warm Up - pg. 594, #17

Class Work - Check Homework

For those students who do not have a 90% or above.....Complete Pgs. 595-596 and is due at the end Friday. No calculators.

Color by Number.

$$4(x-2)$$

$$(4 \cdot x) - (4 \cdot 2) = \boxed{4x - 8}$$

$$X \quad | \quad 1 \quad | \quad 1 \quad | \quad (X+3)(X+2)$$

X	X^2	X	X	X
1	X	1	1	1
1	X	1	1	1

First
Outer
Inner
Last

$$(\underline{X} + \underline{3})(\underline{X} + \underline{2})$$

$$X^2 + 2X + 3X + 6$$

$$X^2 + 5X + 6$$

13. Explain how the figure illustrates that $6(9) = 6(5) + 6(4)$.

The area is the product of the length and width
 (6×9) . It is also the sum of the areas of the rectangles
separated by the dashed line $(6 \times 5 \text{ and } 6 \times 4)$. So,
 $6(9) = 6(5) + 6(4)$.



$$P = 2l + 2w$$

In 14–15, the perimeter of the figure is given. Find the length of the indicated side.

14.



Perimeter = $6x$

$$\underline{3x - 7}$$

15.



Perimeter = $10x + 6$

$$\underline{2x + 6}$$

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16. **Persevere in Problem Solving** The figures show the dimensions of a tennis court and a basketball court given in terms of the width x in feet of the tennis court.



- a. Write an expression for the perimeter of each court. T: $6x + 12$, B: $7x + 36$
- b. Write an expression that describes how much greater the perimeter of the basketball court is than the perimeter of the tennis court. $x + 24$
- c. Suppose the tennis court is 36 feet wide. Find all dimensions of the two courts. T: 36 ft by 78 ft, B: 50 ft by 94 ft

$$\begin{aligned} & 7x + 36 \\ & \ominus (6x + 12) \\ & \hline & x + 24 \end{aligned}$$

$$4(x-2) \text{ given}$$

$$\boxed{4x-8}$$

$$8x+24 =$$

$$8(x+3) \quad 2(4x+12)$$

$$4(2x+6)$$

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Period 5

Warm Up - pg. 433 #4

Class Work -

Check over yesterday's work

Pg. 435 this will be graded as a **quiz**, you may use your notes.

Homework - take home quiz, pg. 436 due Friday

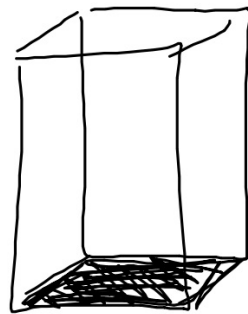
$$V = \underline{l} \cdot \underline{w} \cdot \underline{h}$$

$$\begin{array}{r} 24.25 \\ \times 12.5 \\ \hline 121250 \end{array}$$

$$3758.75 \text{ in}^3 = \underbrace{24.25 \text{ in} \cdot 12.5 \text{ in}}_{303.125 \text{ in}^2}$$

$$\begin{array}{l} 3758.75 \text{ in}^3 = \frac{303.125 \text{ in}^2 \cdot h}{303.125 \text{ in}^2} \\ \hline 12.4 \text{ in} = h \end{array}$$

$$V = \underbrace{l \cdot w}_{A} \cdot h$$



$$A = l \cdot w$$

$$\frac{18 \text{ in}^3}{4 \frac{1}{2} \text{ in}^2} = \frac{4 \frac{1}{2} \text{ in}^2}{4 \frac{1}{2} \text{ in}^2} \cdot h$$

$$4 \text{ in} = h$$

$$18 \div 4 \frac{1}{2} = \frac{2 \cancel{18}}{1} \cdot \frac{2}{\cancel{9} 1} = \textcircled{4}$$