

# SOLUTIONS...

Review Worksheet - Converting Imp\_Metric.docx

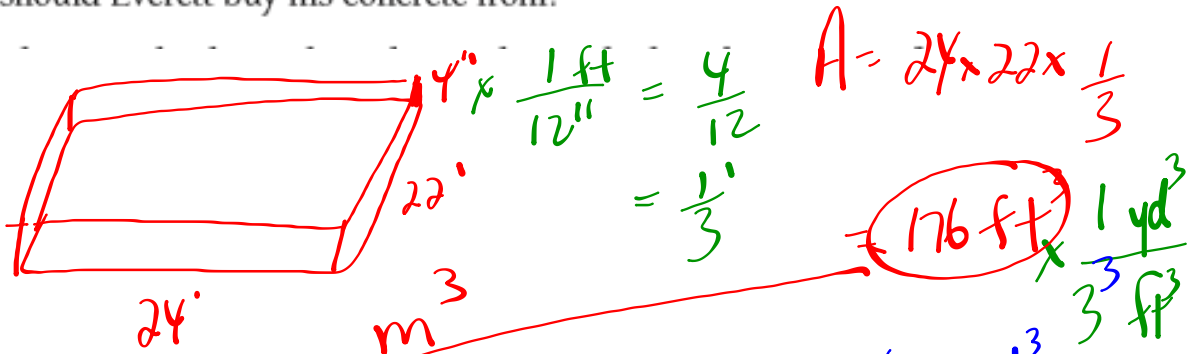
## Converting English and Metric

- 1 ) 8.27 inches = 21 centimeters
- 2 ) 10 mph = ~~6.21~~ 16.1 kmph
- 3 ) 9.01 miles = 14.5 kilometers
- 4 ) 13 gallons = 49.21 liters
- 5 ) 3.17 quarts = 3 liters
- 6 ) 9 cups = 2.13 liters
- 7 ) 9.5 teaspoons = 46.82 milliliters
- 8 ) 19.5 square inches = 125.81 square centimeters
- 9 ) 8 cups = 1.89 liters
- 10 ) 0.21 cubic inches = 3.5 milliliters
- 11 ) 0.46 cubic inches = 7.5 milliliters
- 12 ) 10.5 gallons = 39.75 liters
- 13 ) 16.4 feet = 5 meters
- 14 ) 70.63 cubic feet = 2 cubic meters
- 15 ) 1.22 teaspoons = 6 milliliters
- 16 ) 15.7 cubic yards = 12 cubic meters
- 17 ) 0.16 square inches = 1 square centimeters
- 18 ) 19 yards = 17.37 meters
- 19 ) 20 fluid ounces = 591.47 milliliters
- 20 ) 15 cubic feet = 0.42 cubic meters

# HOMEWORK ???

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5. Everett owns and operates an auto repair shop. He wants to pour a concrete pad 24' x 22' x 4" in front of the garage. J & L Concrete sells concrete for \$145.00/yd<sup>3</sup> and M & W Concrete sells concrete for \$165.00/m<sup>3</sup>. How much will each company charge? Which company should Everett buy his concrete from?



$$176 \text{ ft}^3 \times \frac{1 \text{ m}^3}{3.2808^3 \text{ ft}^3} = 5 \text{ m}^3$$


M & W  
 $\text{Cost} = 5 \times 165$   
 $= \boxed{\$825}$   
**BEST**


J & L  
 $\text{Cost} = 7 \times 145$   
 $= \boxed{\$1015}$

**HOMEWORK...Unit Test is ~~MONDAY!!!~~**

*\* Tuesday*

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 Review - Chapter 4 Sample Test.pdf

 Practice Quiz - Conversions.pdf

## Attachments

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Practice Quiz - Conversions.pdf

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