

10 cm by 5 cm by 5 cm note:  
 6. A hectare (ha) is an area of measure of 10,000 square meters. How many hectares are there in a field that is 620 m by 380 m?

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$$1 \text{ ha} = 10\,000 \text{ m}^2$$

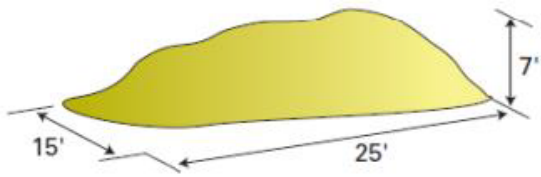
$$A = 620 \times 380$$

$$= 235\,600 \text{ m}^2$$

620m

380m

$$\frac{235\,600}{10\,000} = 23.56 \text{ ha}$$



6. The conversion factor for changing cubic metres of wheat to tonnes is 0.778. Frank has been told that he can estimate the volume of grain dumped on the ground by using the formula  $V = l \times w \times h \times 0.5$ . If the length of the pile is 25 feet, the width is 15 feet, and the height is approximately 7 feet, how many bushels of wheat are in the pile? (1 tonne of wheat contains approximately 36.744 bushels.)

$$\textcircled{1} V = 25(15)(7)(0.5)$$

$$= 1312.5 \text{ ft}^3 \times \frac{1 \text{ m}^3}{32808^3 \text{ ft}^3}$$

$$\textcircled{2} = 36.17 \text{ m}^3 \times \frac{0.778 \text{ t}}{\text{m}^3}$$

$$\textcircled{3} = 28.92 \text{ t} \times \frac{36.744 \text{ bu}}{1 \text{ t}}$$

$$\textcircled{4} = \boxed{1062.5 \text{ bu}}$$

## Review: Chapter 5...Mass, Temp and Volume

- convert °C <--> °F

*Wed Test*

- convert imperial masses (oz, lb, tn)

- convert imperial <--> metric masses

*(mg, g, kg, t)*

- convert mass <--> volume

NOTE: know the bushel

READY FOR THE TEST ON... **Wednesday!!!**

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 Geo\_Mea\_Fin 10 - Conversion Tables and Formula Sheet (Chp4\_5).pdf

 Chapter 5 Sample Test.pdf

p. 219 #1 - 10

**\*\*\* Corrections...** MC #3  $\rightarrow 7.2^{\circ}\text{C}$   
OR #22  $\rightarrow 8.3^{\circ}\text{C} \approx 80.6^{\circ}\text{F}$

## Attachments

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Chapter 5 Sample Test.pdf

Geo\_Mea\_Fin 10 - Conversion Tables and Formula Sheet (Chp4\_5).pdf