4.1 - Systems of Measurement

Day 2...

Sep 11-1:09 PM

TRY THIS ONE...

A 3-D puzzle of the Eiffel Tower has a scale of 1:360. In the puzzle, the tower is $35\frac{2}{5}$ in. tall. What is the height of the Eiffel Tower in feet?

$35 \times 360 = 12\,600''$

$\frac{2}{5} \times 360 = \frac{720}{5}$

$= 144''$

Total inches $= 12\,744''$

$\frac{12\,744}{12} = 1062'$

16. 1062 ft.

1.1 Imperial Measures of Length

Exercise #16

Convert 3689 seconds to hours.

$$3689\,s \times \frac{1\,min}{60\,s} \times \frac{1\,hr}{60\,min}$$

$$= 1.02\,hr$$

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$3.86\,m = \_\_\_\_\_\,in$

$3.86\,m \times \frac{100\,cm}{1\,m} \times \frac{1\,in}{2.54\,cm}$

$= 151.97''$

Feb 14-8:45 AM

$82.75\ km = \_\_\_\_\_\ yd$

$$82.75\ km \times \frac{1\ mi}{1.6093\ km} \times \frac{1760\ yd}{1\ mi} = 90498.97$$

$$82.75\ km \times \frac{1000\ m}{1\ km} \times \frac{1.0936\ yd}{1\ m} = 90495.40$$

Worksheet Examples

1. Convert to inches

6 feet $8\frac{1}{2}$ inches $= 80\frac{1}{2}''$

2. Convert to Feet and inches

$69\frac{1}{2}$ inches $= 5' 9\frac{1}{2}''$

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HOMEWORK...

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  Do questions: #1-5; 8

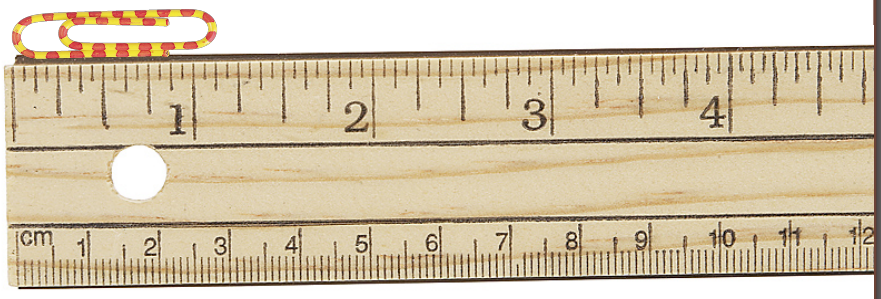
End of lesson

1 What is the length of the paper clip?

A 1 in.

B $\frac{1}{8}$ in.

C $\frac{1}{2}$ in.



Question

Attachments

Worksheet - Intro. to Imperial Measurement.docx