



Grade 6 Warm Up

Date: Jan 22



1) Determine if the following ratios are equivalent

a)  $14:21$  and  $7:5$   
 $\div 7 \rightarrow 2:3$   
 $\div 5 \rightarrow 1.4:1$   
 Not the same

b)  $7:15$  and  $14:32$   
 $\times 2 \rightarrow 14:30$   
 $\div 2 \rightarrow 7:15$   
 Not equal

2) Find the missing value for the equivalent ratios

a)  $8:42 = 4:K$   
 $\div 2 \rightarrow 4:21$   
 $K=21$

b)  $U:9 = 33:27$   
 $\div 3 \rightarrow U:3 = 11:9$   
 $U=11$

3) Jim has a 6L of tea, 13 lemons and 2 cups of sugar to make ice-tea. If Jim has 39 lemons then how much tea and sugar is required to make a multiple batch of ice-tea?

Tea : Lemons : Sugar  
 $6_{\times 3} : 13_{\times 3} : 2_{\times 3}$   
 $18 : 39 : 6$

18 L of tea and 6 cups of sugar are needed.

$24:18$   
 $\div 2 \rightarrow 12:9$

$6:11$   
 $\times 3 \rightarrow 18:33$

$15:24$   
 $\div 3 \rightarrow 5:8$

$$\begin{array}{l} 12 : 36 \\ \div 2 \quad \div 2 \\ 6 : 18 \\ \div 2 \quad \div 2 \\ 3 : 9 \\ \div 3 \quad \div 3 \\ 1 : 3 \end{array}$$

## Attachments

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Hundreds chart.jpg