Name _____

Reteaching



Fractions in Simplest Form

Remember: A frac num no c	ction is in simplest form if the erator and denominator have ommon factors except 1.
Divide the numerator and denominator	$\frac{42}{48} \div \frac{2}{2} = \frac{42 \div 2}{48 \div 2} = \frac{21}{24}$
Divide until you cannot divide evenly.	$\frac{21}{24} \div \frac{3}{3} = \frac{21 \div 3}{24 \div 3} = \frac{7}{8}$
Find the GCF (greatest common factor). Divide both the numerator and denominator by the GCF.	Factors of 42: 1, 2, 3, 6, 7, 14, 21, 42 Factors of 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
	The GCF is 6.
	$\frac{42}{48} \div \frac{6}{6} = \frac{42 \div 6}{48 \div 6} = \frac{7}{8}$

Use division to write each fraction in simplest form.

1.	<u>8</u> 10		2.	<u>14</u> 20		3.	<u>6</u> 9		
4.	<u>20</u> 35		5.	<u>16</u> 24		6.	<u>12</u> 18		
7.	<u>36</u> 96		8.	<u>45</u> 60		9.	<u>91</u> 156		
10.	<u>6</u> 20		11.	<u>21</u> 105		12.	<u>75</u> 90		
Find the GCF of the numerator and denominator.									
13.	<u>6</u> 16		14.	<u>35</u> 50		15.	<u>24</u> 40		
16.	<u>28</u> 32		17.	<u>18</u> 24		18.	<u>33</u> 36		
Use the GCF to write each fraction in simplest form.									
19.	<u>32</u> 48		20.	<u>21</u> 56		21.	<u>9</u> 54		
22.	<u>30</u> 54		23.	<u>21</u> 36		24.	<u>18</u> 42		
05	Dee		t oirou	moto	analog would the CC			to the numerator of	

25. Reasoning Under what circumstances would the GCF be equal to the numerator of a fraction before simplifying?