Name: ----------

MATH MONKS

Greatest Common Factor of Fractions

Simplify each fraction using the GCF method. One is done for you.

1. $\frac{66}{77}$

GCF of 66 and 77 = ____

$\frac{66}{77} \div \frac{\square}{\square} = \square$

2. $\frac{60}{85}$

GCF of 60 and 80 = ____

$\frac{60}{85} \div \frac{\square}{\square} = \square$

3. $\frac{42}{48}$

GCF of 42 and 48 = ____

$\frac{42}{48} \div \frac{\square}{\square} = \square$

4. $\frac{14}{36}$

GCF of 14 and 36 = ____

$\frac{14}{36} \div \frac{\square}{\square} = \square$

5. $\frac{54}{45}$

GCF of 54 and 45 = ____

$\frac{54}{45} \div \frac{\square}{\square} = \square$

6. $\frac{8}{18}$

GCF of 8 and 18 = ____

$\frac{8}{18} \div \frac{\square}{\square} = \square$

7. $\frac{56}{72}$

GCF of 56 and 72 = ____

$\frac{56}{72} \div \frac{\square}{\square} = \square$

8. $\frac{6}{78}$

GCF of 6 and 78 = ____

$\frac{6}{78} \div \frac{\square}{\square} = \square$

9. $\frac{90}{160}$

GCF of 90 and 160 = ____

$\frac{90}{160} \div \frac{\square}{\square} = \square$

10. $\frac{32}{40}$

GCF of 32 and 40 = ____

$\frac{32}{40} \div \frac{\square}{\square} = \square$

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Greatest Common Factor of Fractions

Answers

1. $\frac{66}{77}$

GCF of 66 and 77 = 11

$\frac{66}{77} \div \frac{66}{77} = \frac{6}{7}$

2. $\frac{60}{85}$

GCF of 60 and 80 = 5

$\frac{60}{85} \div \frac{5}{5} = \frac{12}{17}$

3. $\frac{42}{48}$

GCF of 42 and 48 = 6

$\frac{42}{48} \div \frac{6}{6} = \frac{7}{8}$

4. $\frac{14}{36}$

GCF of 14 and 36 = 2

$\frac{14}{36} \div \frac{2}{2} = \frac{7}{18}$

5. $\frac{54}{45}$

GCF of 54 and 45 = 9

$\frac{54}{45} \div \frac{9}{9} = \frac{6}{5}$

6. $\frac{8}{18}$

GCF of 8 and 18 = 2

$\frac{8}{18} \div \frac{2}{2} = \frac{4}{9}$

7. $\frac{56}{72}$

GCF of 56 and 72 = 8

$\frac{56}{72} \div \frac{8}{8} = \frac{7}{9}$

8. $\frac{6}{78}$

GCF of 6 and 78 = 6

$\frac{6}{78} \div \frac{6}{6} = \frac{1}{13}$

9. $\frac{90}{160}$

GCF of 90 and 160 = 10

$\frac{90}{160} \div \frac{10}{10} = \frac{9}{16}$

10. $\frac{32}{40}$

GCF of 32 and 40 = 8

$\frac{32}{40} \div \frac{8}{8} = \frac{4}{5}$