SIMPLIFYING FRACTIONS

Name _____

Score _____

Reduce each fraction to its simplest form using the Greatest Common Factor (GCF).

Example: $\frac{12}{18}$

Factors of 12 → 1, 2, 3, 4, 6, 12

Factors of 18 → 1, 2, 3, 6, 9, 18

GCF = 6

Divide numerator and denominator by their GCF.

12/18 = 2/3

$\frac{21}{28}$

$\frac{27}{45}$

$\frac{18}{27}$

$\frac{32}{48}$

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Answer Key

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GCF = 6

Divide numerator and denominator by their GCF.

12/18 = 2/3

$\frac{21}{28}$

GCF = 7

21 ÷ 7 = 3, 28 ÷ 7 = 4

= $\frac{3}{4}$

$\frac{27}{45}$

GCF = 9

27 ÷ 9 = 3, 45 ÷ 9 = 5

= $\frac{3}{5}$

$\frac{18}{27}$

GCF = 9

18 ÷ 9 = 2, 27 ÷ 9 = 3

= $\frac{2}{3}$

$\frac{32}{48}$

GCF = 16

32 ÷ 16 = 2, 48 ÷ 16 = 3

= $\frac{2}{3}$