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

$\frac{15}{20}$

$\frac{16}{24}$

$\frac{25}{35}$

$\frac{49}{63}$

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Answer Key

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GCF = 6

Divide numerator and denominator by their GCF.

12/18 = 2/3

$\frac{15}{20}$

GCF = 5

15 ÷ 5 = 3, 20 ÷ 5 = 4

= $\frac{3}{4}$

$\frac{16}{24}$

GCF = 8

16 ÷ 8 = 2, 24 ÷ 8 = 3

= $\frac{2}{3}$

$\frac{25}{35}$

GCF = 9

25 ÷ 5 = 5, 35 ÷ 5 = 7

= $\frac{5}{7}$

$\frac{49}{63}$

GCF = 7

49 ÷ 7 = 7, 63 ÷ 7 = 9

= $\frac{7}{9}$