

Name: Class:

Write fractions in lowest terms

Reduce the following fractions to its lowest form. (follow the example).

a. $\frac{16}{24} =$ | |

b. $\frac{15}{18} =$ | |

c. $\frac{20}{12} =$ | |

d. $\frac{35}{25} =$ | |

Name: Class:

Write fractions in lowest terms

Reduce the following fractions to its lowest form. (follow the example).

a. $\frac{16}{24} =$

Prime factors of 16 = $2 \times 2 \times 2 \times 2$
 Prime factors of 24 = $2 \times 2 \times 2 \times 3$
 GCF of 16 and 24 = $2 \times 2 \times 2 = 8$

$\frac{16/8}{24/8} = \frac{2}{3}$

Therefore, 16/24 to its lowest term is 2/3.

b. $\frac{15}{18} =$

Prime factors of 15 = 3×5
 Prime factors of 18 = $2 \times 3 \times 3$
 GCF of 15 and 18 = 3

$\frac{15/3}{18/3} = \frac{5}{6}$

Therefore, 15/18 to its lowest term is 5/6.

c. $\frac{20}{12} =$

Prime factors of 20 = $2 \times 2 \times 5$
 Prime factors of 12 = $2 \times 2 \times 3$
 GCF of 20 and 12 = $2 \times 2 = 4$

$\frac{20/4}{12/4} = \frac{5}{3}$

Therefore, 20/12 to its lowest term is 5/3.

d. $\frac{35}{25} =$

Prime factors of 35 = 5×7
 Prime factors of 25 = 5×5
 GCF of 35 and 25 = 5

$\frac{35/5}{25/5} = \frac{7}{5}$

Therefore, 35/25 to its lowest term is 7/5.