

**REDUCING FRACTIONS TO LOWEST TERMS**

Directions: All fractions must be reduced to lowest terms. When the number one is the only common factor of the numerator and the denominator, the fraction is in lowest terms. If there is a common factor of the numerator and the denominator other than one, the fraction can still be reduced.

Two methods to get the same answer.

Reduce by division using greatest common factor.  $\frac{27}{45} \div 9 = \frac{3}{5}$  Reduce by multiplication using the GCF. Cancel the GCF.  $\frac{27}{45} = \frac{\cancel{9} \times 3}{\cancel{9} \times 5}$

1)  $\frac{24}{42} = \frac{4}{7}$       2)  $\frac{18}{33} = \frac{6}{11}$       3)  $\frac{32}{48} = \frac{2}{3}$       4)  $\frac{81}{90} = \frac{9}{10}$       5)  $\frac{12}{54} = \frac{2}{9}$

6)  $\frac{6}{8} = \frac{3}{4}$       7)  $\frac{54}{60} = \frac{9}{10}$       8)  $\frac{56}{68} = \frac{14}{17}$       9)  $\frac{34}{40} = \frac{17}{20}$       10)  $\frac{16}{28} = \frac{4}{7}$

11)  $\frac{45}{90} = \frac{1}{2}$       12)  $\frac{21}{33} = \frac{7}{11}$       13)  $\frac{39}{42} = \frac{13}{14}$       14)  $\frac{62}{100} = \frac{31}{50}$       15)  $\frac{5}{100} = \frac{1}{20}$

16)  $\frac{4}{32} = \frac{1}{8}$       17)  $\frac{50}{125} = \frac{2}{5}$       18)  $\frac{45}{180} = \frac{1}{4}$       19)  $\frac{15}{27} = \frac{5}{9}$       20)  $\frac{35}{40} = \frac{7}{8}$

21)  $\frac{8}{34} = \frac{4}{17}$       22)  $\frac{6}{60} = \frac{1}{10}$       23)  $\frac{18}{54} = \frac{1}{3}$       24)  $\frac{19}{76} = \frac{1}{4}$       25)  $\frac{27}{30} = \frac{9}{10}$

26)  $\frac{2}{24} = \frac{1}{12}$       27)  $\frac{8}{12} = \frac{2}{3}$       28)  $\frac{64}{96} = \frac{2}{3}$       29)  $\frac{18}{30} = \frac{3}{5}$       30)  $\frac{63}{90} = \frac{7}{10}$

31)  $\frac{14}{50} = \frac{7}{25}$       32)  $\frac{20}{25} = \frac{4}{5}$       33)  $\frac{60}{84} = \frac{5}{7}$       34)  $\frac{42}{70} = \frac{3}{5}$       35)  $\frac{32}{80} = \frac{2}{5}$