

## 64 EQUIVALENT FRACTIONS

## 65 REDUCING FRACTIONS

### EQUIVALENT MEANS EQUAL

FRACTIONS CAN BE WRITTEN  
MANY DIFFERENT WAYS AND  
STILL EQUAL THE SAME AMOUNT.

$$\text{Ex.1)} \quad \begin{array}{|c|c|c|c|} \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \end{array} = \frac{1}{2} = \frac{2}{4} = \frac{4}{8} = \frac{8}{16}$$

$$\text{Ex.2)} \quad \begin{array}{|c|c|c|c|} \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \end{array} = \frac{1}{4} = \frac{2}{8} = \frac{4}{16}$$

$$\text{Ex.3)} \quad \frac{2}{3} = \frac{4}{6} = \frac{8}{12}$$

$$\text{Ex.4)} \quad \frac{5}{7} = \frac{10}{14} \quad \begin{array}{|c|c|c|c|} \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} & \text{shaded} & \text{shaded} \\ \hline \end{array}$$

### To Reduce Fractions

1.) ASK YOURSELF...

WHAT NUMBER goes IN to THE NUMERATOR AND  
DENOMINATOR Evenly?

2.) Divide that number into the numerator and  
denominator to get the reduced fraction.

$$\text{Ex.5)} \quad \frac{7 \div 7}{14 \div 7} = \frac{1}{2}$$

$$\text{Ex.6)} \quad \frac{6 \div 2}{8 \div 2} = \frac{3}{4} \quad \begin{array}{|c|c|} \hline \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} \\ \hline \text{shaded} & \text{shaded} \\ \hline \end{array}$$

$$\text{Ex.7)} \quad \frac{24 \div 6}{36 \div 6} = \frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$