

# Simplifying Improper Fractions

Answer Key

A) Reduce each improper fraction to its lowest terms.

$$1) \quad \frac{57}{6} = \underline{\frac{19}{2} \text{ or } 9\frac{1}{2}}$$

$$2) \quad \frac{68}{8} = \underline{\frac{17}{2} \text{ or } 8\frac{1}{2}}$$

$$3) \quad \frac{15}{12} = \underline{\frac{5}{4} \text{ or } 1\frac{1}{4}}$$

$$4) \quad \frac{14}{6} = \underline{\frac{7}{3} \text{ or } 2\frac{1}{3}}$$

$$5) \quad \frac{75}{9} = \underline{\frac{25}{3} \text{ or } 8\frac{1}{3}}$$

$$6) \quad \frac{96}{60} = \underline{\frac{8}{5} \text{ or } 1\frac{3}{5}}$$

$$7) \quad \frac{26}{16} = \underline{\frac{13}{8} \text{ or } 1\frac{5}{8}}$$

$$8) \quad \frac{45}{35} = \underline{\frac{9}{7} \text{ or } 1\frac{2}{7}}$$

B) 1) Which of the following represents  $\frac{84}{49}$  in its simplest form?

a)  $2\frac{3}{7}$

☒ b)  $1\frac{5}{7}$

c)  $1\frac{4}{7}$

d)  $1\frac{6}{7}$

2) Identify the mixed number that is the simplest form of  $\frac{30}{4}$ .

a)  $6\frac{1}{4}$

b)  $5\frac{1}{4}$

☒ c)  $7\frac{1}{2}$

d)  $4\frac{1}{2}$

3) What is the simplest form of  $\frac{22}{8}$ ?

☒ a)  $2\frac{3}{4}$

b)  $2\frac{5}{8}$

c)  $3\frac{1}{2}$

d)  $2\frac{3}{8}$