

# Simplifying Improper Fractions

Answer Key

A) Reduce each improper fraction to its lowest terms.

$$1) \quad \frac{45}{30} = \underline{\frac{3}{2} \text{ or } 1\frac{1}{2}}$$

$$2) \quad \frac{24}{9} = \underline{\frac{8}{3} \text{ or } 2\frac{2}{3}}$$

$$3) \quad \frac{96}{54} = \underline{\frac{16}{9} \text{ or } 1\frac{7}{9}}$$

$$4) \quad \frac{46}{4} = \underline{\frac{23}{2} \text{ or } 11\frac{1}{2}}$$

$$5) \quad \frac{52}{24} = \underline{\frac{13}{6} \text{ or } 2\frac{1}{6}}$$

$$6) \quad \frac{14}{12} = \underline{\frac{7}{6} \text{ or } 1\frac{1}{6}}$$

$$7) \quad \frac{60}{8} = \underline{\frac{15}{2} \text{ or } 7\frac{1}{2}}$$

$$8) \quad \frac{15}{6} = \underline{\frac{5}{2} \text{ or } 2\frac{1}{2}}$$

B) 1) What is the simplest form of  $\frac{57}{9}$  ?

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

☒ b)  $6\frac{1}{3}$

c)  $5\frac{1}{3}$

d)  $7\frac{1}{3}$

2) Which option shows  $\frac{10}{8}$  reduced to its lowest terms?

☒ a)  $1\frac{1}{4}$

b)  $1\frac{7}{8}$

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

d)  $1\frac{3}{4}$

3) Which of the following represents  $\frac{78}{42}$  in its simplest form?

a)  $2\frac{5}{6}$

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

☒ c)  $1\frac{6}{7}$

d)  $2\frac{1}{6}$