S2

Simplifying Improper Fractions

Answer Key

A) Reduce each improper fraction to its lowest terms.

1) $\dfrac{69}{9}$ = $\dfrac{23}{3}$ or $7\dfrac{2}{3}$

2) $\dfrac{18}{4}$ = $\dfrac{9}{2}$ or $4\dfrac{1}{2}$

3) $\dfrac{44}{38}$ = $\dfrac{22}{19}$ or $1\dfrac{3}{19}$

4) $\dfrac{75}{6}$ = $\dfrac{25}{2}$ or $12\dfrac{1}{2}$

5) $\dfrac{24}{10}$ = $\dfrac{12}{5}$ or $2\dfrac{2}{5}$

6) $\dfrac{42}{28}$ = $\dfrac{3}{2}$ or $1\dfrac{1}{2}$

7) $\dfrac{55}{22}$ = $\dfrac{5}{2}$ or $2\dfrac{1}{2}$

8) $\dfrac{86}{8}$ = $\dfrac{43}{4}$ or $10\dfrac{3}{4}$

B) 1) Which option shows $\dfrac{20}{15}$ reduced to its lowest terms?

   a) ✓ $1\dfrac{1}{3}$ b) $2\dfrac{1}{5}$ c) $1\dfrac{2}{3}$ d) $1\dfrac{3}{5}$

2) Which of the following represents $\dfrac{9}{6}$ in its simplest form?

   a) $2\dfrac{1}{6}$ b) $1\dfrac{2}{3}$ c) ✓ $1\dfrac{1}{2}$ d) $2\dfrac{5}{6}$

3) Identify the mixed number that is the simplest form of $\dfrac{48}{9}$.

   a) $3\dfrac{8}{9}$ b) $5\dfrac{2}{3}$ c) $4\dfrac{4}{9}$ d) ✓ $5\dfrac{1}{3}$

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