Improper Fractions and Mixed Numbers

Write each mixed number as an improper fraction.

1. $3 \frac{17}{5}$
2. $6 \frac{25}{4}$
3. $2 \frac{12}{12}$
4. $2 \frac{9}{9}$

Write each improper fraction as a mixed number or whole number.

5. $\frac{12}{5}$
6. $\frac{27}{9}$
7. $\frac{32}{3}$
8. $\frac{20}{12}$

9. **Number Sense** Matt had to write $3 \frac{8}{24}$ as an improper fraction. Write how you would tell Matt the easiest way to do so.

**Sample answer:** The easiest way is to first write $\frac{8}{24}$ in simplest form as $\frac{1}{3}$. That makes the multiplication easier. $(3 \times 3) + 1 = 10$, so $3\frac{1}{3} = \frac{10}{3}$.

10. Jill has $1\frac{3}{8}$ ounces of trail mix. Write the weight of Jill’s trail mix as a mixed number.

11. Nick had $1\frac{3}{4}$ gal of milk. Write the amount of milk Nick has as an improper fraction.

12. Which is NOT an improper fraction equal to 8?
   
   A. $\frac{24}{3}$
   B. $\frac{49}{7}$
   C. $\frac{56}{7}$
   D. $\frac{64}{8}$

13. **Writing to Explain** Write three different improper fractions that equal $4\frac{2}{3}$. (Hint: find equivalent fractions.)

   **Sample answer:** $\frac{14}{3}, \frac{28}{6}, \frac{42}{9}$