Module 6   **Computational Fluency of Fractions**
Lesson 4   **Adding and Subtracting Mixed Numbers**

Set 1

1   Fernando drove $4\frac{3}{4}$ hours to his grandmother's house. The return trip took $5\frac{1}{4}$ hours. How many hours did the round trip take?

$$4\frac{3}{4} + 5\frac{1}{4}$$

$$9\frac{4}{4}$$

$$9 + \frac{4}{4}$$

$$9 + 1$$

$$10$$

The round trip took 10 hours.

2   Rose bought three packages of ground meat weighing $2\frac{7}{8}$ lb, $4\frac{3}{8}$ lb, and $3\frac{5}{8}$ lb. How many pounds of ground meat did she buy?

$$2\frac{7}{8} + 4\frac{3}{8} + 3\frac{5}{8}$$

$$9\frac{15}{8}$$

$$9 + \frac{8}{8} + \frac{7}{8}$$

$$9 + 1 + \frac{7}{8}$$

$$10\frac{7}{8}$$

Rose bought $10\frac{7}{8}$ pounds of ground meat.

3 It took Jennifer $2\frac{3}{7}$ hours to trim the hedges in the front yard and $4\frac{3}{5}$ hours to trim the hedges in the backyard. How long did it take to trim all the hedges in her yard?

$$2\frac{3}{7}+4\frac{3}{5}$$

$$2\frac{15}{35}+4\frac{21}{35}$$

$$6\frac{36}{35}$$

$$6+\frac{35}{35}+\frac{1}{35}$$

$$6+1+\frac{1}{35}$$

$$7\frac{1}{35}$$

It took $7\frac{1}{35}$ hours to trim the hedges.

4 It snowed $8\frac{5}{6}$ inches during the day. It snowed an additional $1\frac{1}{2}$ inches during the night. How much did it snow altogether?

$$8\frac{5}{6}+1\frac{1}{2}$$

$$8\frac{5}{6}+1\frac{3}{6}$$

$$9\frac{8}{6}$$

$$9+\frac{6}{6}+\frac{2}{6}$$

$$9+1+\frac{1}{3}$$

$$10\frac{1}{3}$$

It snowed $10\frac{1}{3}$ inches .

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Set 2

1 Ted used $3\dfrac{6}{11}$ cans of spray paint for his go-cart. Amy used $2\dfrac{9}{11}$ cans of spray paint for her go-cart. How much more spray paint did Ted use?

$$3\dfrac{6}{11} - 2\dfrac{9}{11}$$

$$2\dfrac{17}{11} - 2\dfrac{9}{11}$$

$$\dfrac{8}{11}$$

Ted used $\dfrac{8}{11}$ of a can more.

2 Blake cut a $\dfrac{7}{12}$-inch piece of wire from a $6\dfrac{5}{12}$-inch piece of wire. How much wire was left?

$$6\dfrac{5}{12} - \dfrac{7}{12}$$

$$5\dfrac{17}{12} - \dfrac{7}{12}$$

$$5\dfrac{10}{12}$$

$$5\dfrac{5}{6}$$

There were $5\dfrac{5}{6}$ inches of wire left.

3 Chaz has $4\frac{1}{4}$ cups of milk. He uses $1\frac{3}{8}$ cups of milk for baking. How much milk does Chaz have left?

$$4\frac{1}{4} - 1\frac{3}{8}$$

$$4\frac{2}{8} - 1\frac{3}{8}$$

$$3\frac{10}{8} - 1\frac{3}{8}$$

$$2\frac{7}{8}$$

Chaz has $2\frac{7}{8}$ cups of milk left.

4 Kim catches a fish that weighs $10\frac{3}{8}$ pounds. Nikko catches a fish that weighs $6\frac{1}{3}$ pounds. How many pounds heavier is Kim's fish than Nikko's fish?

$$10\frac{3}{8} - 6\frac{1}{3}$$

$$10\frac{3\times3}{8\times3} - 6\frac{1\times8}{3\times8}$$

$$10\frac{9}{24} - 6\frac{8}{24}$$

$$4\frac{1}{24}$$

Kim's fish weighs $4\frac{1}{24}$ pounds more than Nikko's.