NAME_____

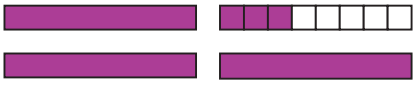
Module 6 **Computational Fluency of Fractions**
Lesson 4 **Adding and Subtracting Mixed Numbers**

Additional Practice 6.4

Model to solve.

1. $1\frac{1}{4}+2\frac{1}{8}$

$3\frac{3}{8}$



Evaluate the expression.

2.
$$\begin{array}{r} 3\frac{1}{8} \\ +4\frac{5}{8} \\ \hline \end{array}$$

$7\frac{3}{4}$

3.
$$\begin{array}{r} 5\frac{1}{4} \\ +4\frac{1}{3} \\ \hline \end{array}$$

$9\frac{7}{12}$

4.
$$\begin{array}{r} 6\frac{1}{3} \\ +2\frac{3}{7} \\ \hline \end{array}$$

$8\frac{16}{21}$

5. $5\frac{3}{5}+10\frac{4}{5}$

$16\frac{2}{5}$

6. $4\frac{3}{8}+2\frac{3}{4}$

$7\frac{1}{8}$

7. $15\frac{1}{2}+7\frac{4}{9}$

$22\frac{17}{18}$

8. Charlotte ordered $9\frac{1}{2}$ pounds of cocktail shrimp and $3\frac{1}{8}$ pounds of crab dip from a local fish store for a party. How many total pounds did she purchase?

Charlotte purchased $12\frac{5}{8}$ pounds.

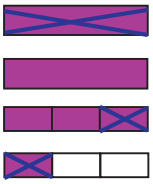
9. Michael needs a total of $12\frac{1}{2}$ feet of wire to complete a project. He has three pieces of wire: $2\frac{3}{4}$ feet, $5\frac{1}{2}$ feet and $3\frac{7}{12}$ feet. Does he have enough wire to complete the project? Why or why not?

No, he only has a total of $11\frac{5}{6}$ feet of wire.

Model to solve.

10. $3\frac{1}{3} - 1\frac{2}{3}$

$1\frac{2}{3}$



Evaluate the expression.

11. $6\frac{5}{9} - 3\frac{2}{9}$

$3\frac{1}{3}$

12. $7\frac{1}{2} - 5\frac{7}{8}$

$1\frac{5}{8}$

13. $8\frac{2}{3} - 4\frac{2}{5}$

$4\frac{4}{15}$

14.
$$4\frac{1}{8}$$
$$-2\frac{5}{6}$$

$1\frac{7}{24}$

15.
$$9$$
$$-1\frac{5}{8}$$

$7\frac{3}{8}$

16.
$$12\frac{3}{5}$$
$$-7\frac{3}{4}$$

$4\frac{17}{20}$

17. De'shan entered a fishing competition. The weight of his largest fish was $12\frac{1}{2}$ pounds. The winner of the competition had a fish that weighed $21\frac{3}{10}$ pounds. How much more did the winning fish weigh than De'shan's?

The winning fish weighed $8\frac{4}{5}$ pounds more than De'shan's fish.

18. Joann is planning a trip to the horse farm. Her vehicle can tow $4\frac{1}{5}$ tons. The horse trailer she has weighs $2\frac{1}{4}$ tons, and she is expecting to carry about $\frac{1}{4}$ ton of supplies in the trailer. What is the maximum additional weight she can load into the trailer?

Joann can load an additional $1\frac{7}{10}$ tons into the trailer.