6-6

Homework

Name _____ Date _____

Write each mixed number as a fraction.

1. $6\frac{5}{8} =$ $\frac{53}{8}$

2. $2\frac{1}{4} =$ $\frac{9}{4}$

3. $8\frac{3}{10} =$ $\frac{83}{10}$

4. $4\frac{2}{6} =$ $\frac{26}{6}$

Write each fraction as a mixed number.

5. $\frac{26}{3} =$ $8\frac{2}{3}$

6. $\frac{47}{7} =$ $6\frac{5}{7}$

7. $\frac{59}{9} =$ $6\frac{5}{9}$

8. $\frac{44}{5} =$ $8\frac{4}{5}$

Add or subtract.

9. $\frac{2}{3} + \frac{2}{3} =$ $\frac{4}{3}$

10. $\frac{5}{7} - \frac{3}{7} =$ $\frac{2}{7}$

11. $1\frac{3}{9} + \frac{7}{9} =$ $2\frac{1}{9}$

12. $\frac{3}{4} + 3\frac{3}{4} =$ $4\frac{2}{4}$

13. $2\frac{4}{15} - \frac{10}{15} =$ $1\frac{9}{15}$

14. $\frac{15}{20} - \frac{6}{20} =$ $\frac{9}{20}$

15. $3\frac{3}{5} - 3\frac{1}{5} =$ $\frac{2}{5}$

16. $1\frac{1}{6} + 2\frac{2}{6} =$ $3\frac{3}{6}$

17. $2\frac{7}{8} - 1\frac{2}{8} =$ $1\frac{5}{8}$

Solve. *Show your work.*

18. Rashid made a loaf of bread that called for $3\frac{1}{3}$ cups of flour. He combined white flour and whole wheat flour. If he used $1\frac{2}{3}$ cups of white flour, how much whole wheat flour did he use?

$1\frac{2}{3}$ cups

19. Manuela spent $1\frac{3}{4}$ hours writing her book report. Katy spent $\frac{3}{4}$ hour more time on her book report than Manuela spent. How much time did Katy spend writing her report?

$2\frac{2}{4}$ hours

6-6 Name _____ Date _____

Remembering

Add or subtract.

1. $\begin{array}{r} 23{,}546 \\ +\ 3{,}198 \\ \hline 26{,}744 \end{array}$

2. $\begin{array}{r} 50{,}427 \\ -\ 27{,}152 \\ \hline 23{,}275 \end{array}$

3. $\begin{array}{r} 850{,}000 \\ -\ 541{,}086 \\ \hline 308{,}914 \end{array}$

Use an equation to solve. *Show your work.*

4. Each of Caroline's 2 older cats gets 7 ounces of food each day. Her younger cat gets 9 ounces of food each day. How much food does Caroline feed her cats altogether each day?
$(2 \times 7) + 9 = f$; $f = 23$; 23 ounces

5. Chad shares his 84 toy cars equally among his 3 friends and himself. Then he donates 15 cars to a used toy collection. How many cars does Chad have left?
$(84 \div 4) - 15 = c$; $c = 6$; 6 cars

Add.

6. $3\frac{4}{9} + 5\frac{2}{9} = 8\frac{6}{9}$

7. $7\frac{1}{5} + 2\frac{2}{5} = 9\frac{3}{5}$

8. $9\frac{7}{10} + 8\frac{4}{10} = 18\frac{1}{10}$

9. $5\frac{2}{7} + 2\frac{6}{7} = 8\frac{1}{7}$

10. **Stretch Your Thinking** Chris ordered pizza for his family from a company that cuts its pizzas into 8 slices each. The fraction of a pizza eaten by each family member is shown in the table at the right. If they had less than 1 whole pizza left over, how many pizzas did they order? What fraction of a pizza was left over? Show your work.
3 pizzas; $\frac{7}{8}$ of a pizza left over; $\frac{3}{8} + \frac{2}{8} + \frac{4}{8} + \frac{5}{8} + \frac{3}{8} = \frac{17}{8} = 2\frac{1}{8}$ eaten; next whole number is 3; $3 - 2\frac{1}{8} = 2\frac{8}{8} - 2\frac{1}{8} = \frac{7}{8}$ left over.

Family member	Fraction of pizza eaten
Chris	$\frac{3}{8}$
Stacy	$\frac{2}{8}$
Rylan	$\frac{4}{8}$
Alec	$\frac{5}{8}$
Kelli	$\frac{3}{8}$