

Name _____ Date _____

INSTRUCTIONS: Do your work in your notebooks.

Adding and Subtracting Fractions and Mixed Numbers Review

Find the sum or difference. Write the answer in simplest form.

1. $3\frac{2}{7} + 4\frac{5}{7}$

2. $5\frac{7}{12} - 3\frac{5}{12}$

3. $2\frac{3}{8} + 1\frac{7}{8}$

4. $8\frac{14}{15} - 5\frac{8}{15}$

5. $1\frac{2}{5} + 6\frac{8}{15}$

6. $5\frac{7}{9} - 3\frac{5}{18}$

7. $4\frac{5}{6} + 7\frac{7}{24}$

8. $10\frac{17}{21} - 4\frac{2}{3}$

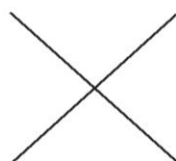
9. $5\frac{3}{7} + 4\frac{1}{2}$

10. $8\frac{1}{4} - 3\frac{1}{3}$

11. $3\frac{5}{12} + 7\frac{2}{15}$

12. $5\frac{1}{9} - 2\frac{5}{6}$

13. Describe and correct the error in finding the difference $8\frac{1}{6} - 4\frac{2}{3}$.



$$8\frac{1}{6} - 4\frac{2}{3} = 8\frac{1}{6} - 4\frac{4}{6} = 7\frac{9}{6} - 4\frac{4}{6} = 3\frac{5}{6}$$

Evaluate the expression when $x = 4\frac{3}{8}$ and $y = 7\frac{5}{6}$.

14. $5\frac{2}{3} + x$

15. $y - 4\frac{2}{3}$

16. $x + y$

Complete the statement using $<$, $>$, or $=$.

17. $8\frac{2}{3} - 7\frac{1}{4}$? 1

18. $4\frac{1}{6} + 5\frac{3}{8}$? 10

19. $7\frac{1}{4} + 3\frac{3}{7}$? 11

Evaluate the expression. Write the answer in simplest form.

20. $3\frac{1}{2} + 6\frac{2}{3} + 4\frac{7}{12}$

21. $8\frac{9}{16} + 5\frac{3}{8} - 3\frac{1}{4}$

22. $12\frac{5}{24} + 7\frac{1}{8} - 8\frac{3}{4}$

23. A rye bread recipe calls for $1\frac{7}{8}$ cups bread flour and $1\frac{1}{2}$ cups rye flour.
How many cups of flour do you need altogether?
24. The largest species of praying mantis grows to be about 6 inches long.
The smallest species of praying mantis grows to be $\frac{2}{5}$ inches long.
How much longer is the largest species than the smallest species?