

HW 2-4

Int 1

Add/Subtract Fractions

Unit 2

Simplify.

1. $-\frac{3}{7} - \frac{1}{7} = \left(-\frac{4}{7}\right)$

7. $\frac{2}{5} - \frac{1}{2} = \left(-\frac{1}{10}\right)$

13. $\frac{2}{8} + \left(-\frac{1}{4}\right) = 0$

2. $\frac{3}{14} - \frac{6}{7} =$

8. $-\frac{3}{14} + \frac{4}{7} =$

14. $\frac{1}{4} - \frac{3}{8} + \frac{1}{2} =$

3. $-\frac{3}{8} + \frac{5}{8} = \left(\frac{1}{4}\right)$

9. $\frac{4}{7} - \frac{6}{7} = \left(-\frac{2}{7}\right)$

15. $-\frac{5}{12} - \left(-\frac{11}{12}\right) = \left(\frac{1}{2}\right)$

4. $-\frac{1}{2} + \frac{3}{4} - \frac{5}{6} =$

10. $-\frac{5}{6} - \left(-\frac{1}{6}\right) =$

16. $-\frac{5}{6} + \frac{2}{3} =$

5. $-\frac{4}{7} + \frac{6}{7} = \left(\frac{2}{7}\right)$

11. $\frac{8}{12} - \frac{4}{12} = \left(\frac{1}{3}\right)$

17. $\frac{4}{5} + \left(-\frac{7}{8}\right) = \left(-\frac{3}{40}\right)$

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

12. $\frac{4}{5} - \frac{2}{15} + \frac{1}{3} =$

18. $\frac{7}{24} - \frac{5}{12} =$

Choose an operation to solve each problem. Then solve each problem. Write your answers in simplest form.

19. Kari needs $\frac{7}{8}$ of a yard of fabric to make a bag. If she has $\frac{8}{9}$ of a yard, how much fabric will be left over?

$$\frac{1}{72} \text{ yd.}$$

20. Mrs. Escalante was riding a bicycle on a bike path. After riding $\frac{2}{3}$ of a mile, she discovered that she still needed to travel $\frac{3}{4}$ of a mile to reach the end of the path. How long is the bike path?

21. Four students were scheduled to give book reports in 1 hour. After the first report, $\frac{2}{3}$ of an hour remained.

The next two reports took $\frac{1}{6}$ hour and $\frac{1}{4}$ hour. What fraction of the hour remained?

$$\frac{1}{4} \text{ of an hour}$$

22. Tom has 3 piles of sand: $\frac{11}{16}$ of a cup, $\frac{1}{2}$ of a cup, and $\frac{7}{8}$ of a cup. His brother Jimmy comes and eats $\frac{1}{4}$ of a cup of Tom's sand. How much sand does Tom have left?

Find a common denominator and then write $<$, $>$, or $=$ to make a true statement.

23. $-\frac{1}{4} > -\frac{2}{5}$

24. $\frac{3}{9} > \frac{1}{3}$

25. $\frac{2}{3} > \frac{1}{2}$

Order the rational numbers from least to greatest.

26. $0.760, \frac{3}{4}, 0.8$

27. $-\frac{6}{20}, -0.2, -\frac{1}{4}$

28. $\frac{3}{4}, \frac{5}{12}, \frac{1}{6}$

_____, _____, _____

$$-\frac{6}{20}, -\frac{1}{4}, -0.2$$

_____, _____, _____