

HW 2-4

Int 1

Add/Subtract Fractions

Unit 2

Simplify.

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

7. $\frac{4}{7} - \frac{1}{2} =$

12. $\frac{11}{12} + \frac{2}{3} = \frac{19}{12} = 1\frac{7}{12}$

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

8. $\frac{7}{8} - \frac{1}{4} = \frac{5}{8}$

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

3. $-\frac{3}{8} + \frac{5}{8} = \frac{1}{4}$

9. $\frac{1}{9} + \frac{1}{5} =$

14. $\frac{5}{8} + \frac{3}{4} = \frac{11}{8} = 1\frac{3}{8}$

4. $\frac{4}{7} - \frac{6}{7} =$

10. $-\frac{2}{3} + \left(\frac{3}{4} + \frac{5}{3}\right) = \frac{7}{4} = 1\frac{3}{4}$

15. $\frac{1}{8} - \frac{1}{3} =$

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

11. $\frac{5}{6} - \frac{2}{7} =$

16. $\frac{7}{9} + \frac{2}{3} = \frac{13}{9} = 1\frac{4}{9}$

6. $\frac{8}{12} - \frac{4}{12} = \frac{1}{3}$

Find a common denominator and then write $<$, $>$, or $=$ to make a true statement.
SHOW YOUR WORK! 😊

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

19. $\frac{3}{9} \text{ — } \frac{1}{3}$

21. $-\frac{4}{5} < -\frac{1}{5}$

18. $-\frac{1}{4} \text{ — } -\frac{2}{5}$

20. $\frac{4}{7} > \frac{1}{2}$

22. $\frac{7}{8} \text{ — } \frac{1}{4}$

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

23. 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?

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

24. Four students were scheduled to give book reports in 1 hour. After the first report, $\frac{2}{3}$ hour remained. The next two reports took $\frac{1}{6}$ hour and $\frac{1}{4}$ hour. What fraction of the hour remained?

25. 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?

26. 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?

$$\frac{29}{16} = 1\frac{13}{16} \text{ cups}$$

Simplify

$$27. -\frac{4}{5} + \left(-\frac{1}{3}\right) =$$

$$30. -\frac{1}{3} + \frac{1}{2} = \frac{1}{6}$$

$$34. \frac{1}{8} - \left(-\frac{1}{4}\right) =$$

$$28. -\frac{5}{8} + \left(-\frac{3}{4}\right) = -\frac{11}{8} = -1\frac{3}{8}$$

$$31. \frac{4}{5} + \left(-\frac{7}{8}\right) =$$

$$35. -\frac{5}{12} - \left(-\frac{11}{12}\right) =$$

$$29. \frac{2}{8} + \left(-\frac{1}{4}\right) =$$

$$32. \frac{1}{2} - \frac{2}{3} = -\frac{1}{6}$$

$$36. \frac{5}{8} - \left(-\frac{1}{2}\right) = \frac{9}{8} = 1\frac{1}{8}$$

$$33. -\frac{3}{4} - \frac{1}{2} =$$