## Int 1

## HW 2-4 Add/Subtract Fractions

Unit 2

Simplify.

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

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

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

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. 
$$\frac{5}{8} + \frac{3}{4} = \frac{11}{8} = \frac{13}{8}$$

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

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

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

$$16.\frac{7}{9} + \frac{2}{3} = \frac{13}{9} = \frac{14}{9}$$

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

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

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

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

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

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

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

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

$$22.\frac{7}{8} - \frac{1}{4}$$

Int 1

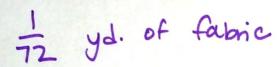
## HW 2-4

## **Add/Subtract Fractions**

Unit 2

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?



24. Four students were scheduled to give 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 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 book reports in 1 hour. After the first cup,  $\frac{1}{2}$  of a cup, and  $\frac{7}{8}$  of a cup. report,  $\frac{2}{3}$  hour remained. The next His brother Jimmy comes and eats  $\frac{1}{4}$ of a cup of Tom's sand. How much sand does Tom have left?

Simplify

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

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

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

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

$$31. \frac{4}{5} + \left(-\frac{7}{8}\right) = \frac{3}{8}$$

$$32.\frac{1}{2} - \frac{2}{3} = -\frac{7}{6}$$

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

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

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

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