

Practice 4-1

Estimating Sums and Differences

Write the fraction shown by each model. Then choose a benchmark for each measurement. Use 0 , $\frac{1}{2}$, or 1 .



Estimate each sum or difference. Use the benchmarks 0 , $\frac{1}{2}$, and 1 .

3. $\frac{5}{16} + \frac{5}{8}$

4. $\frac{10}{12} + \frac{4}{5}$

5. $\frac{8}{10} - \frac{1}{2}$

6. $\frac{3}{4} + \frac{3}{8}$

7. $\frac{7}{10} - \frac{1}{6}$

8. $\frac{13}{15} - \frac{1}{12}$

Estimate each sum or difference.

9. $4\frac{1}{4} - 1\frac{7}{9}$

10. $8\frac{6}{8} - 2\frac{1}{3}$

11. $5\frac{7}{8} + 3\frac{3}{4}$

12. $8\frac{1}{12} - 3\frac{9}{10}$

13. $6\frac{5}{7} - 2\frac{2}{9}$

14. $3\frac{5}{8} + 2\frac{3}{10}$

15. Name three fractions whose benchmark is $\frac{1}{2}$.

16. Name three fractions whose benchmark is 1 .

17. The fabric for play costumes costs \$5.95 per yard. Patti needs $2\frac{7}{8}$ yards for one costume and $3\frac{5}{8}$ yards for another one. About how much will she spend on these costumes? Estimate the sum by first rounding to the nearest whole number.

18. One bag of oranges costs \$2.99 and weighs about $3\frac{7}{8}$ pounds. Individual oranges are sold at \$.89 per pound. Which is the better buy? Explain.
