

Name _____

Estimate Fraction Sums and Differences



COMMON CORE STANDARD—5.NF.A.2
Use equivalent fractions as a strategy to add and subtract fractions.

Estimate the sum or difference.

1. $\frac{1}{2} - \frac{1}{3}$

2. $\frac{1}{8} + \frac{1}{4}$

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

Think: $\frac{1}{3}$ is closer to $\frac{1}{2}$ than to 0.

Estimate: 0

Estimate: _____

Estimate: _____

4. $2\frac{3}{5} - 1\frac{3}{8}$

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

6. $\frac{2}{5} + \frac{2}{3}$

Estimate: _____

Estimate: _____

Estimate: _____

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

8. $1\frac{7}{8} - 1\frac{1}{2}$

9. $4\frac{1}{8} - \frac{3}{4}$

Estimate: _____

Estimate: _____

Estimate: _____

Problem Solving



10. For a fruit salad recipe, Jenna combined $\frac{3}{8}$ cup of raisins, $\frac{7}{8}$ cup of oranges, and $\frac{3}{4}$ cup of apples. About how many cups of fruit are in the salad?

11. Tyler had $2\frac{7}{16}$ yards of fabric. He used $\frac{3}{4}$ yard to make a vest. About how much fabric did he have left?

12. **WRITE** *Math* What is an instance when you might want to find an estimate for fraction sums or differences rather than an exact answer?

Lesson Check (5.NF.A.2)

1. Helen's house is located on a rectangular lot that is $1\frac{1}{8}$ miles by $\frac{9}{10}$ mile. Estimate the distance around the lot.
2. Keith bought a package with $2\frac{9}{16}$ pounds of ground meat to make hamburgers. He has $\frac{2}{5}$ pound of ground meat left. About how many pounds of ground meat did he use for the hamburgers?

Spiral Review (5.NBT.B.5, 5.NBT.B.7, 5.NF.B.3)

3. Jason bought two identical boxes of nails. One box weighs 168 ounces. What is the total weight in ounces of the nails Jason bought?
4. Hank wants to divide 345 pieces of construction paper evenly among his 23 classmates. How many pieces will be left over?

5. What is the most reasonable estimate for $23.63 \div 6$?
6. What is a rule for the sequence below?

1.8, 2.85, 3.90, 4.95, 6

