Name _____

Estimate Fraction Sums and Differences

COMMON CORE STANDARD CC.5.NF.2

Use equivalent fractions as a strategy to add and subtract fractions.

Estimate the sum or difference. **Possible estimates are given.**

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

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

Estimate: 0

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

Estimate: $\frac{1}{2}$

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

Estimate: $\frac{1}{2}$

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

Estimate: 1

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

Estimate: $\frac{1}{2}$

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

Estimate: $1\frac{1}{2}$

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

Estimate: 4

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

Estimate: $\frac{1}{2}$

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

Estimate: 3

10. $3\frac{9}{10} - 1\frac{2}{5}$

Estimate: $2\frac{1}{2}$

11. $2\frac{5}{8} + 1\frac{1}{4}$

Estimate: 4

12. $1\frac{1}{3} - \frac{1}{4}$

Estimate: 1

Problem Solving REAL WORLD

13. 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?

Accept 2 or $2\frac{1}{2}$ cups

14. 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?

about $1\frac{1}{2}$ yards

TEST PREP

Lesson Check (CC.5.NF.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.

   (A) about 3 miles

   ● about 4 miles

   (C) about 5 miles

   (D) about 6 miles

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?

   (A) about 4 pounds

   (B) about 3 pounds

   ● about 2 pounds

   (D) about 1 pound

Spiral Review (CC.5.NBT.5, CC.5.NBT.7, CC.5.NF.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? **(Lesson 1.6)**

   (A) 84 ounces

   (B) 226 ounces

   (C) 326 ounces

   ● 336 ounces

4. Hank wants to divide 345 pieces of candy evenly among his 23 classmates. How many pieces will be left over? **(Lesson 2.7)**

   ● 0

   (B) 2

   (C) 11

   (D) 22

5. Which is the most reasonable estimate for $23.63 \div 6$? **(Lesson 5.3)**

   (A) 3

   ● 4

   (C) 5

   (D) 6

6. What is a rule for the sequence below? **(Lesson 3.10)**

   0.8, 0.86, 0.92, 0.98, ...

   ● start at 0.8, add 0.06

   (B) start at 0.8, add 0.6

   (C) start at 0.98, subtract 0.06

   (D) start at 0.98, subtract 0.6