Grade 5 Math

Week: 4/6 to 4/10

Day 12

Standard: 5NF.1 *Use equivalent fractions as a strategy to add and subtract fractions. 1. Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.*

Objective: Students will estimate to find the sums or differences of mixed numbers.

Instructional learning video to support the objective:

https://www.youtube.com/watch?v=p8jbOn4DwP0

Practice Worksheet: EnVisions Topic 7- 6 Reteach and Build Understanding. (1 copy)

Problem of the Day: (POD): Draw a model to show your work.

Soraya takes a plane from Boston to Los Angeles. The flight took 3 ½ hours to reach Chicago, and another 3 ¼ hours to arrive in Los Angeles. Estimate how many hours the flight took.

Additional Support:

https://www.ixl.com/math/grade-5/estimate-sums-and-differences-of-fractions-using-benchmarks

Additional Online Resources:

- ST Math.com
- EnVisions (through CLEVER)
- Imagine Math

A-Z Vocabulary

1. **Mixed numbers** combine whole numbers and fractions. A mixed number names a value between two consecutive whole numbers greater than or equal to 1.

   Circle the mixed numbers.

   $\frac{20}{17}$ $\qquad$ $\frac{2}{8}$ $\qquad$ $16\frac{5}{12}$ $\qquad$ $\frac{13}{6}$ $\qquad$ $10\frac{5}{16}$

2. A **benchmark fraction** is a common fraction that can be substituted for other fractions that are close. If a fraction is closer to $\frac{1}{2}$ than to the nearest whole number, you can round the fraction to $\frac{1}{2}$.

   Graph $\frac{3}{8}$ on the number line.
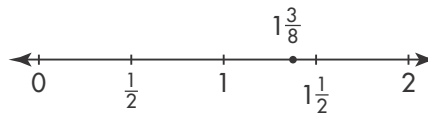
   $\frac{3}{8}$ is close to _____.

   So, $\frac{3}{8}$ can be replaced with _____. $1\frac{3}{8}$ can be replaced with _____.

3. Round $6\frac{1}{3}$ and $5\frac{7}{8}$ to the nearest half or whole number.

   Look at the fraction parts of each mixed number.

   $\frac{1}{3}$ is close to _____.

   $\frac{7}{8}$ is closer to _____ than to $\frac{1}{2}$.

   Round $6\frac{1}{3}$ to _____.

   Round $5\frac{7}{8}$ to _____.

4. Use the rounded numbers to estimate $6\frac{1}{3} + 5\frac{7}{8}$.

   _____ + _____ = _____

5. Estimate $8\frac{5}{6} - 2\frac{6}{10}$. Round to the nearest half or whole number.

   $\frac{5}{6}$ is closer to _____ than to $\frac{1}{2}$.

   $\frac{6}{10}$ is closer to _____ than it is to 0 or 1.

   $8\frac{5}{6}$ rounds to _____.

   $2\frac{6}{10}$ rounds to _____.

   So, $8\frac{5}{6} - 2\frac{6}{10}$ is about: _____ − _____ = _____

On the Back!

6. Estimate $8\frac{4}{10} + 3\frac{5}{6}$. Show your work.

Reteach Ⅰ

Name _____

Ⓥ Vocabulary

1. **Mixed numbers** combine whole numbers and fractions. A mixed number names a value between two consecutive whole numbers greater than or equal to 1.

   Circle the mixed numbers.

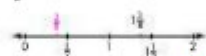 $\frac{20}{17}$ $\frac{2}{8}$ (16$\frac{5}{7}$) $\frac{13}{6}$ (10$\frac{5}{10}$)

2. A **benchmark fraction** is a common fraction that can be substituted for other fractions that are close. If a fraction is closer to $\frac{1}{2}$ than to the nearest whole number, you can round the fraction to $\frac{1}{2}$.

   Graph $\frac{3}{8}$ on the number line.

   $\frac{3}{8}$ is close to ___$\frac{1}{2}$___.

   So, $\frac{3}{8}$ can be replaced with ___$\frac{1}{2}$___. $1\frac{3}{8}$ can be replaced with ___$1\frac{1}{2}$___.

3. Round $6\frac{1}{3}$ and $5\frac{7}{8}$ to the nearest half or whole number.

   Look at the fraction parts of each mixed number.

   $\frac{1}{3}$ is close to ___$\frac{1}{2}$___. $\frac{7}{8}$ is closer to ___1___ than to $\frac{1}{2}$.

   Round $6\frac{1}{3}$ to ___$6\frac{1}{2}$___.   Round $5\frac{7}{8}$ to ___6___.

4. Use the rounded numbers to estimate $6\frac{1}{3} + 5\frac{7}{8}$.

   ___$6\frac{1}{2}$___ + ___6___ = ___$12\frac{1}{2}$___

5. Estimate $8\frac{5}{6} - 2\frac{6}{10}$. Round to the nearest half or whole number.

   $\frac{5}{6}$ is closer to ___1___ than to $\frac{1}{2}$. $\frac{6}{10}$ is closer to ___$\frac{1}{2}$___ than it is to 0 or 1.

   $8\frac{5}{6}$ rounds to ___9___. $2\frac{6}{10}$ rounds to ___$2\frac{1}{2}$___.

   So, $8\frac{5}{6} - 2\frac{6}{10}$ is about: ___9___ - ___$2\frac{1}{2}$___ = ___$6\frac{1}{2}$___

On the Back!

6. Estimate $8\frac{4}{10} + 3\frac{5}{6}$. Show your work. $8\frac{1}{2} + 4 = 12\frac{1}{2}$