

Name _____

Write Fractions as Sums

COMMON CORE STANDARD CC.4.NF.3b

Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

Write the fraction as a sum of unit fractions.

1. $\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

Think: Add $\frac{1}{5}$ four times.

2. $\frac{3}{8} =$ _____

3. $\frac{6}{12} =$ _____

4. $\frac{4}{4} =$ _____

Write the fraction as a sum of fractions three different ways.

5. $\frac{7}{10}$

6. $\frac{6}{6}$

Problem Solving



7. Miguel's teacher asks him to color $\frac{4}{8}$ of his grid. He must use 3 colors: red, blue, and green. There must be more green sections than red sections. How can Miguel color the sections of his grid to follow all the rules?

8. Petra is asked to color $\frac{6}{6}$ of her grid. She must use 3 colors: blue, red, and pink. There must be more blue sections than red sections or pink sections. What are the different ways Petra can color the sections of her grid and follow all the rules?

Lesson Check (CC.4.NF.3b)

- Jorge wants to write $\frac{4}{5}$ as a sum of unit fractions. Which of the following should he write?
 - (A) $\frac{3}{5} + \frac{1}{5}$
 - (B) $\frac{2}{5} + \frac{2}{5}$
 - (C) $\frac{1}{5} + \frac{1}{5} + \frac{2}{5}$
 - (D) $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
- Which expression is equivalent to $\frac{7}{8}$?
 - (A) $\frac{5}{8} + \frac{2}{8} + \frac{1}{8}$
 - (B) $\frac{3}{8} + \frac{3}{8} + \frac{1}{8} + \frac{1}{8}$
 - (C) $\frac{4}{8} + \frac{2}{8} + \frac{1}{8}$
 - (D) $\frac{4}{8} + \frac{2}{8} + \frac{2}{8}$

Spiral Review (CC.4.OA.3, CC.4.OA.4, CC.4.NBT.6, CC.4.NF.3a)

- An apple is cut into 6 equal slices. Nancy eats 2 of the slices. What fraction of the apple is left? (Lesson 7.1)
 - (A) $\frac{1}{6}$
 - (B) $\frac{2}{6}$
 - (C) $\frac{3}{6}$
 - (D) $\frac{4}{6}$
- Which of the following numbers is a prime number? (Lesson 5.5)
 - (A) 1
 - (B) 11
 - (C) 21
 - (D) 51
- A teacher has a bag of 100 unit cubes. She gives an equal number of cubes to each of the 7 groups in her class. She gives each group as many cubes as she can. How many unit cubes are left over? (Lesson 4.8)
 - (A) 1
 - (B) 2
 - (C) 3
 - (D) 6
- Jessie sorted the coins in her bank. She made 7 stacks of 6 dimes and 8 stacks of 5 nickels. She then found 1 dime and 1 nickel. How many dimes and nickels does Jessie have in all? (Lesson 2.12)
 - (A) 84
 - (B) 82
 - (C) 80
 - (D) 28