

Name _____

Compare Fractions

COMMON CORE STANDARD CC.4.NF.2

Extend understanding of fraction equivalence and ordering.

Compare. Write $<$, $>$, or $=$.

1. $\frac{3}{4} \bigcirc \frac{5}{6}$

2. $\frac{1}{5} \bigcirc \frac{2}{10}$

3. $\frac{2}{4} \bigcirc \frac{2}{5}$

Think: 12 is a common denominator.

$$\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$$

$$\frac{5}{6} = \frac{5 \times 2}{6 \times 2} = \frac{10}{12}$$

$$\frac{9}{12} < \frac{10}{12}$$

4. $\frac{3}{5} \bigcirc \frac{7}{10}$

5. $\frac{4}{12} \bigcirc \frac{1}{6}$

6. $\frac{2}{6} \bigcirc \frac{1}{3}$

7. $\frac{1}{3} \bigcirc \frac{2}{4}$

8. $\frac{2}{5} \bigcirc \frac{1}{2}$

9. $\frac{4}{8} \bigcirc \frac{2}{4}$

10. $\frac{7}{12} \bigcirc \frac{2}{4}$

11. $\frac{1}{8} \bigcirc \frac{3}{4}$

Problem Solving 

12. A recipe uses
- $\frac{2}{3}$
- cup of flour and
- $\frac{5}{8}$
- cup of blueberries. Is there more flour or more blueberries in the recipe?

13. Peggy completed
- $\frac{5}{6}$
- of the math homework and Al completed
- $\frac{4}{5}$
- of the math homework. Did Peggy or Al complete more of the math homework?

Lesson Check (CC.4.NF.2)

- Pedro fills a glass $\frac{2}{4}$ full with orange juice. Which of the following fractions is greater than $\frac{2}{4}$?
 - $\frac{3}{8}$
 - $\frac{4}{6}$
 - $\frac{5}{12}$
 - $\frac{1}{3}$
- Today Ian wants to run less than $\frac{7}{12}$ mile. Which of the following distances is less than $\frac{7}{12}$ mile?
 - $\frac{3}{4}$ mile
 - $\frac{2}{3}$ mile
 - $\frac{5}{6}$ mile
 - $\frac{2}{4}$ mile

Spiral Review (CC.4.OA.4, CC.4.NBT.1, CC.4.NBT.5, CC.4.NF.1)

- Ms. Davis traveled 372,645 miles last year on business. What is the value of 6 in 372,645? (Lesson 1.1)
 - 6
 - 60
 - 600
 - 6,000
- One section of an auditorium has 12 rows of seats. Each row has 13 seats. What is the total number of seats in that section? (Lesson 3.4)
 - 25
 - 144
 - 156
 - 169
- Sam has 12 black-and-white photos and 18 color photos. He wants to put the photos in equal rows so each row has either black-and-white photos only or color photos only. In how many rows can Sam arrange the photos? (Lesson 5.3)
 - 1, 2, 3, or 6 rows
 - 1, 3, 6, or 9 rows
 - 1, 2, or 4 rows
 - 1, 2, 3, 4, 6, or 9 rows
- The teacher writes $\frac{10}{12}$ on the board. He asks students to write the fraction in simplest form. Who writes the correct answer? (Lesson 6.3)
 - JoAnn writes $\frac{10}{12}$.
 - Karen writes $\frac{5}{12}$.
 - Lynn writes $\frac{6}{5}$.
 - Mark writes $\frac{5}{6}$.