

Name \_\_\_\_\_

**Simplest Form**

COMMON CORE STANDARD CC.4.NF.1

Extend understanding of fraction equivalence and ordering.

Write the fraction in simplest form.

1.  $\frac{6}{10}$

$$\frac{6}{10} = \frac{6 \div 2}{10 \div 2} = \frac{3}{5}$$

2.  $\frac{6}{8}$

\_\_\_\_\_

3.  $\frac{5}{5}$

\_\_\_\_\_

4.  $\frac{8}{12}$

\_\_\_\_\_

5.  $\frac{100}{100}$

\_\_\_\_\_

6.  $\frac{2}{6}$

\_\_\_\_\_

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

\_\_\_\_\_

8.  $\frac{4}{10}$

\_\_\_\_\_

Tell whether the fractions are equivalent.

Write = or  $\neq$ .

9.  $\frac{6}{12} \bigcirc \frac{1}{12}$

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

11.  $\frac{6}{10} \bigcirc \frac{3}{5}$

12.  $\frac{3}{12} \bigcirc \frac{1}{3}$

13.  $\frac{6}{10} \bigcirc \frac{60}{100}$

14.  $\frac{11}{12} \bigcirc \frac{9}{10}$

15.  $\frac{2}{5} \bigcirc \frac{8}{20}$

16.  $\frac{4}{8} \bigcirc \frac{1}{2}$

**Problem Solving**  **REAL WORLD**

17. At Memorial Hospital, 9 of the 12 babies born on Tuesday were boys. In simplest form, what fraction of the babies born on Tuesday were boys?

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18. Cristina uses a ruler to measure the length of her math textbook. She says that the book is  $\frac{4}{10}$  meter long. Is her measurement in simplest form? If not, what is the length of the book in simplest form?

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### Lesson Check (CC.4.NF.1)

- Six out of the 12 members of the school choir are boys. In simplest form, what fraction of the choir is boys?
  - (A)  $\frac{1}{6}$
  - (B)  $\frac{6}{12}$
  - (C)  $\frac{1}{2}$
  - (D)  $\frac{12}{6}$
- Which of the following fractions is in simplest form?
  - (A)  $\frac{5}{6}$
  - (B)  $\frac{6}{8}$
  - (C)  $\frac{8}{10}$
  - (D)  $\frac{2}{12}$

### Spiral Review (CC.4.OA.3, CC.4.OA.4, CC.4.NBT.5, CC.4.NF.1)

- Each of the 23 students in Ms. Evans' class raised \$45 for the school by selling coupon books. How much money did the class raise in all? (Lesson 3.5)
  - (A) \$207
  - (B) \$225
  - (C) \$1,025
  - (D) \$1,035
- Which pair of numbers below have 4 and 6 as common factors? (Lesson 5.3)
  - (A) 12, 18
  - (B) 20, 24
  - (C) 28, 30
  - (D) 36, 48
- Bart uses  $\frac{3}{12}$  cup milk to make muffins. Which fraction is equivalent to  $\frac{3}{12}$ ? (Lesson 6.2)
  - (A)  $\frac{1}{4}$
  - (B)  $\frac{1}{3}$
  - (C)  $\frac{1}{2}$
  - (D)  $\frac{2}{3}$
- Ashley bought 4 packages of juice boxes. There are 6 juice boxes in each package. She gave 2 juice boxes to each of 3 friends. How many juice boxes does Ashley have left? (Lesson 2.12)
  - (A) 24
  - (B) 22
  - (C) 18
  - (D) 12