

NAME \_\_\_\_\_

**Module 4**     **Fractions, Decimals, Percents, and Factors**  
**Lesson 5**     **Simplifying and Converting Fractions**

# Independent Practice

## 4.5

Write each fraction in simplest form.

1.  $\frac{7}{21}$

2.  $\frac{12}{30}$

3.  $\frac{28}{40}$

4.  $\frac{9}{36}$

5.  $\frac{15}{18}$

6.  $\frac{36}{42}$

Write each improper fraction as a mixed number.

7.  $\frac{14}{6}$

8.  $\frac{30}{8}$

9.  $\frac{12}{5}$

10.  $\frac{30}{5}$

11.  $\frac{30}{4}$

12.  $\frac{16}{3}$

Write each mixed number as an improper fraction.

13.  $5\frac{1}{12}$

14.  $12\frac{1}{2}$

15.  $6\frac{3}{5}$

16.  $3\frac{8}{9}$

17.  $1\frac{3}{5}$

18.  $9\frac{2}{3}$

Write each fraction in simplest form.

19.  $\frac{72}{114}$

20.  $\frac{95}{160}$

## Journal

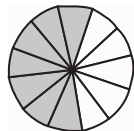
1. Fill in the missing numerator and explain your work.

$$\frac{4}{5} = \frac{\square}{35}$$

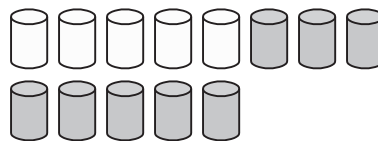
2. Explain how to change  $4\frac{1}{3}$  to an improper fraction.
3. James ran two laps around the track in two minutes and 28 seconds. What mixed number, written in simplest form, can be written for the minutes it took him to run those laps? What improper fraction can be written? Explain.

## Cumulative Review

1. Name the fraction shown by the shaded region.



2. What is the ratio of shaded cylinders to the entire group of shapes? Express the ratio in three ways.



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3. Complete the table.

Fraction	Decimal	Percent
		2%

4. Find the factors of 48.

\_\_\_\_\_

5. Find the prime factorization of 250.

\_\_\_\_\_

6. Find the common factors of 28 and 108.

\_\_\_\_\_

7. Find the Greatest Common Factor (GCF) of 30 and 66.

\_\_\_\_\_

8. Find the LCM of 8 and 26.

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9. Find the LCM of 16, 30, and 42 using prime factorization.

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10. Victoria was asked to stack displays of books at the library. The librarian wanted the same number of each type of book in each stack, and she wanted the largest number of stacks that could be made from the books. If there were 42 books about animals, 56 adventure books, and 70 mystery books, how many stacks could Victoria make? How many books would be in each stack?

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# Additional Work Area