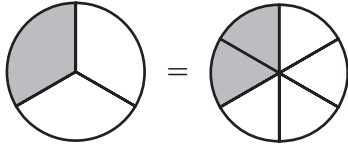


Contents

Lesson 1	Whole Numbers to 10,000.....	4
Lesson 2	Place Value	6
Lesson 3	Comparing Whole Numbers.....	8
Lesson 4	Even and Odd Numbers.....	10
Lesson 5	Operation Properties.....	12
Lesson 6	Addition and Subtraction.....	14
Lesson 7	Meaning of Multiplication and Division.....	16
Lesson 8	Multiplying and Dividing Multiples of Ten	18
Lesson 9	Multiplying Two-Digit Numbers	20
Lesson 10	More Multiplying Two-Digit Numbers	22
Lesson 11	Dividing Two-Digit Numbers.....	24
Lesson 12	Division with Remainders	26
Lesson 13	Rounding	28
Lesson 14	Estimation.....	30
Lesson 15	Fractions.....	32
Lesson 16	Equivalent Fractions	34
Lesson 17	Comparing and Ordering Fractions	36
Lesson 18	Adding and Subtracting Fractions.....	38
Lesson 19	Decimals.....	40
Lesson 20	Comparing and Ordering Decimals	42
Lesson 21	Decimals and Fractions	44
Lesson 22	Adding and Subtracting Decimals	46
	How to Answer Constructed Response Questions.....	48

LESSON 16 Equivalent Fractions

Equivalent fractions name the same number in different terms.



$$\frac{1}{3} = \frac{2}{6}$$

When a fraction is in **lowest terms**, it cannot be made simpler.

$$\frac{4}{12} = \frac{2}{6} = \frac{1}{3}$$

$\frac{1}{3}$ is in lowest terms.

To change to **higher terms**, multiply top and bottom by the same number. To change to **lower terms**, divide.

$$\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$$

$$\frac{2}{6} = \frac{2 \div 2}{6 \div 2} = \frac{1}{3}$$

Read each problem. Circle the letter of the best answer.

- 1** There are 10 books in Jo-Jo's favorite mystery series. Jo-Jo has read 8 of them. What fraction of the books in the series has he read?

A $\frac{2}{3}$

C $\frac{4}{5}$

B $\frac{3}{4}$

D $\frac{5}{6}$

Jo-Jo has read $\frac{8}{10}$ of the books. Dividing the numerator and denominator by 2 reduces $\frac{8}{10}$ to lowest terms: $\frac{8 \div 2}{10 \div 2} = \frac{4}{5}$. The correct answer is C.

- 3** A group of 6 friends have 4 oranges to share equally. Which division expression tells the fraction of an orange each friend will get?

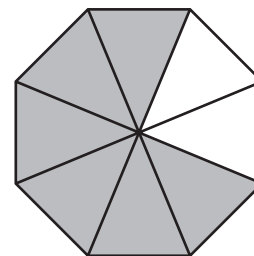
A $1 \div 2$

B $1 \div 3$

C $2 \div 3$

D $3 \div 4$

- 4** What fraction of this octagon is shaded?



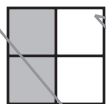
A $\frac{2}{3}$

C $\frac{5}{6}$

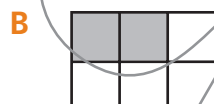
B $\frac{3}{4}$

D $\frac{7}{8}$

- 2** Look at this picture.



Which picture shows an equivalent fraction?



Read each problem. Write your answers.

5 Look at this division expression.

$$2 \div 5$$

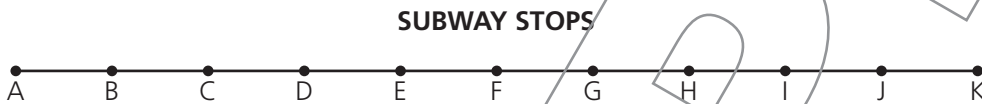
A Write the expression as a fraction.

Answer: _____

B Write an equivalent fraction in higher terms.

Answer: _____

6 The map shows part of a subway train track. The letters show places where the train stops. The distances between stops are equal. The distance from stop A to stop K is 1 mile.



A Kelli rode from stop A to stop C. What fraction of a mile did she ride?

Answer: _____

B Simplify the fraction from part A to lowest terms.

Answer: _____

C Explain how you found your answer to part B.
