Note. From Basic Math Practice: Fractions, Decimals, and Percents, by K. Lindsay, 2006, Austin, TX: PRO-ED. Copyright 2006 by PRO-ED, Inc.

Name: Date:

Fractions

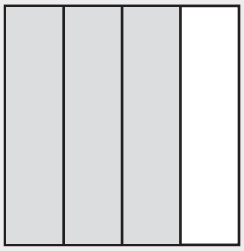
WHAT IS A FRACTION?

Directions: For each fraction, circle the numerator. Then draw a square around the denominator.

Definitions:

- A fraction is one or more of the equal parts of a whole; it has an amount less than 1, like $\frac{1}{2}$, $\frac{2}{3}$, or $\frac{3}{4}$.
- The numerator is the top number of the fraction that tells how many parts out of the whole there are.
- The denominator is the bottom number of the fraction that tells how many total parts of the whole there are. The denominator can never be 0.

A



numerator → 3 ← **division line**
denominator → 4

1 $\frac{5}{8}$

2 $\frac{2}{3}$

3 $\frac{1}{6}$

4 $\frac{4}{5}$

5 $\frac{1}{10}$

6 $\frac{3}{6}$

Note. From Basic Math Practice: Fractions, Decimals, and Percents, by K. Lindsay, 2006, Austin, TX: PRO-ED. Copyright 2006 by PRO-ED, Inc.

Name: Date:

Fractions

ASSESSMENT 3

Directions: Look at each multiplication or division problem. Fill in the circle next to the correct answer in lowest terms.

1 $\frac{1}{2} \times \frac{3}{4} = _____?$

❍ $\frac{3}{6}$ ❍ $\frac{1}{2}$ ❍ $\frac{1}{8}$ ❍ $\frac{3}{8}$

2 $\frac{3}{5} \times \frac{1}{2} = _____?$

❍ $\frac{3}{10}$ ❍ $\frac{1}{5}$ ❍ $\frac{4}{15}$ ❍ $\frac{1}{3}$

3 $\frac{2}{7} \times \frac{1}{4} = _____?$

❍ $\frac{1}{14}$ ❍ $\frac{2}{7}$ ❍ $\frac{3}{8}$ ❍ $\frac{5}{28}$

4 $\frac{1}{3} \div \frac{2}{3} = _____?$

❍ $\frac{1}{6}$ ❍ $\frac{1}{2}$ ❍ $\frac{4}{11}$ ❍ $\frac{3}{9}$

5 $\frac{2}{5} \div \frac{1}{7} = _____?$

❍ $\frac{3}{12}$ ❍ $\frac{2}{35}$ ❍ $2\frac{4}{5}$ ❍ 3

6 $\frac{3}{4} \div \frac{3}{8} = _____?$

❍ 2 ❍ $1\frac{1}{4}$ ❍ $\frac{6}{8}$ ❍ $\frac{1}{8}$

Note. From Basic Math Practice: Fractions, Decimals, and Percents, by K. Lindsay, 2006, Austin, TX: PRO-ED. Copyright 2006 by PRO-ED, Inc.

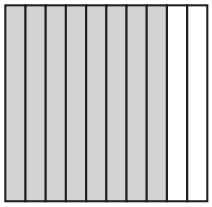
Name: Date:

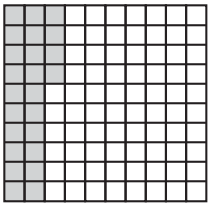
Decimals

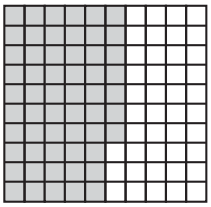
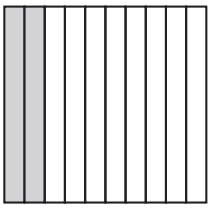
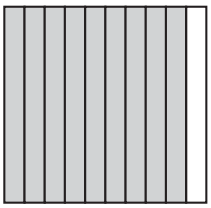
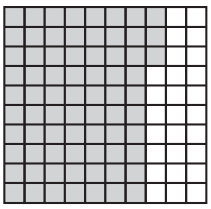
PARTS OF A WHOLE

Directions: Draw a line from each number to its name. Then draw a line from the number's name to its picture.

Explanation:
The digits to the right of the decimal are parts of a whole number. They have a value less than 1. A "0" is always written in the ones place if there are no numbers to the left of the decimal.

0.8 = 8 tenths = 

0.24 = 24 hundredths = 

1 0.2	9 tenths	
2 0.73	57 hundredths	
3 0.9	2 tenths	
4 0.57	73 hundredths	

Note. From Basic Math Practice: Fractions, Decimals, and Percents, by K. Lindsay, 2006, Austin, TX: PRO-ED. Copyright 2006 by PRO-ED, Inc.

Name: Date:

Decimals

ASSESSMENT 2

Directions: Read each question. Then fill in the circle next to the correct answer.

1 What is 6.36 x 2?

❍ 1.272 ❍ 12.72 ❍ 127.2 ❍ 1272

2 What is 23.8 x 4.1?

❍ 9758 ❍ 975.8 ❍ 97.58 ❍ 9.758

3 What is 2.961 ÷ 7?

❍ 0.423 ❍ 4.23 ❍ 42.3 ❍ 423.03

4 What is 9.21 ÷ 1.5?

❍ 0.614 ❍ 6.14 ❍ 61.4 ❍ 614.0

5 What is the decimal form of $\frac{3}{10}$?

❍ 0.03 ❍ 0.3 ❍ 3 ❍ 30

6 What is the decimal form of $\frac{45}{100}$?

❍ 45.0 ❍ 4.5 ❍ 0.45 ❍ 0.045

7 What is the decimal form of $\frac{1}{2}$?

❍ 50 ❍ 5.0 ❍ 0.5 ❍ 0.05

8 What is the decimal form of $\frac{3}{4}$?

❍ 0.075 ❍ 0.75 ❍ 7.5 ❍ 75.0

Note. From Basic Math Practice: Fractions, Decimals, and Percents, by K. Lindsay, 2006, Austin, TX: PRO-ED. Copyright 2006 by PRO-ED, Inc.

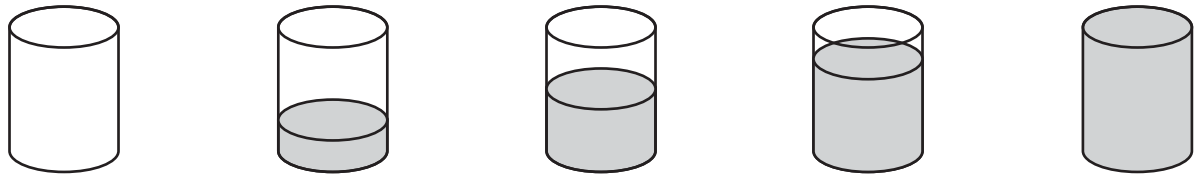
Name: Date:

Percents

COMPARING PERCENTS

Directions: Use the pictures and percents to answer the questions.

Barrels of Water: How Full Are They?



0% **25%** **50%** **75%** **100%**

1

Looking at the pictures, which is greater, 25% or 75%? _____

2

Looking at the pictures, which is greater, 100% or 75%? _____

3

Looking at the pictures, which is greater, 0% or 50%? _____

4

If the middle barrel is 50% full, how much of the barrel is still empty? _____

5

What is another way to say 0% full? _____

6

What is another way to say 0% empty? _____

Note. From Basic Math Practice: Fractions, Decimals, and Percents, by K. Lindsay, 2006, Austin, TX: PRO-ED. Copyright 2006 by PRO-ED, Inc.

Name: Date:

Percents

ASSESSMENT 2

Directions: Read each question. Fill in the circle next to the correct answer.

1

What is 40% of 80?

❍ 70 ❍ 65 ❍ 48 ❍ 32

2

What is 25% of 60?

❍ 15 ❍ 30 ❍ 45 ❍ 60

3

75% of what number is 30?

❍ 70 ❍ 50 ❍ 40 ❍ 20

4

50% of what number is 25?

❍ 40 ❍ 50 ❍ 80 ❍ 90

5

What percent of 20 is 2?

❍ 10% ❍ 30% ❍ 65% ❍ 80%

6

What percent of 12 is 3?

❍ 15% ❍ 25% ❍ 45% ❍ 70%