

# Number Chameleon

## Teacher's Edition

As you go over the directions with your students, use the example below to go through the steps on paper with the students. Then pass out the three sheets of paper to each student. Colored paper would be the preferred option.

### Sheet 1 Fraction

Cut the paper in 4 equal pieces.

Label each piece with the appropriate fraction .

Numerator top # = quantity of piece which is being addressed

Denominator bottom # = total number of pieces

### Decimal

On the same individual pieces, write the decimal figure to correctly represent this piece of paper. In order to figure this out, you need to divide the numerator (top number) by the denominator (bottom number).

Round your answer to the nearest hundredth.

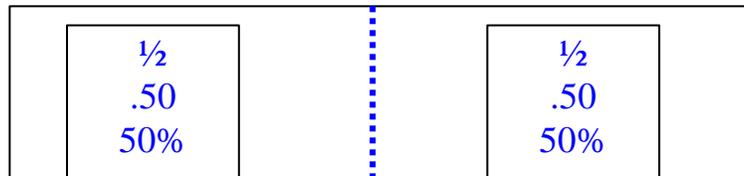
### Percentage

On the same individual pieces, write the percentage figure to correctly represent this piece of paper. To obtain your percentage, move the decimal two places to the right. This is now your percentage.

**Sheet 2** Cut into 8 pieces. Then complete the rest of the steps above.

**Sheet 3** Cut into 12 pieces. Then complete the rest of the steps above.

Example:



Make sure to go over each step and demonstrate the division and decimal movement.

After passing out paper, have student complete the steps for sheet 1. Check over answers before proceeding. Then proceed with sheets 2 and 3.

After the hands on portion, move forward with worksheet 2.

# Number Chameleons

## Sheet 1

### Fraction

Cut the paper in 4 equal pieces.

Label each piece with the appropriate fraction .

Numerator top # = quantity of piece which is being addressed

Denominator bottom # = total number of pieces

### Decimal

On the same individual pieces, write the decimal figure to correctly represent this piece of paper. In order to figure this out, you need to divide the numerator (top number) by the denominator (bottom number). Round your answer to the nearest hundredth.

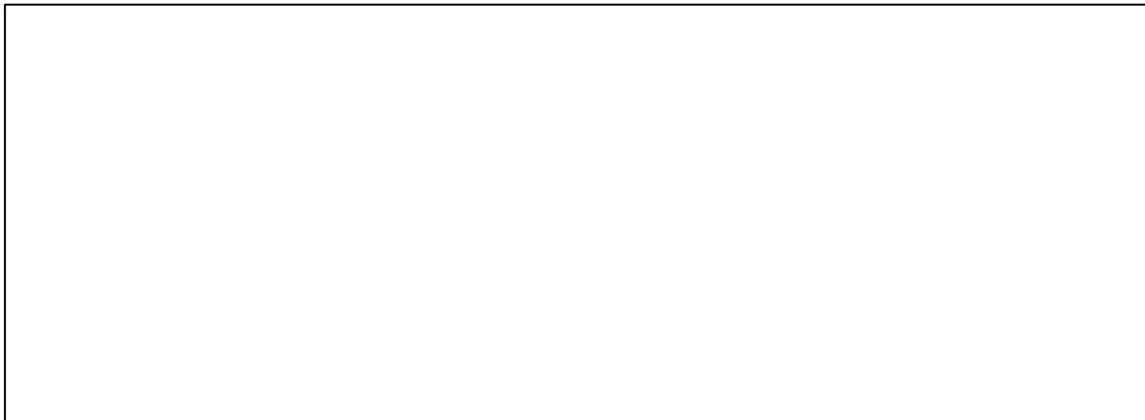
### Percentage

On the same individual pieces, write the percentage figure to correctly represent this piece of paper. To obtain your percentage, move the decimal two places to the right. This is now your percentage.

**Sheet 2** Cut into 8 pieces. Then complete the rest of the steps above.

**Sheet 3** Cut into 12 pieces. Then complete the rest of the steps above.

Example:



#### Sunshine State Standards Addressed

	MA.A.1.3.4.6.2 expresses a quantity in a variety of ways
	MA.A.1.3.4.6.3 knows whether relationships among fractions, decimals and percents are equal
	MA.A.1.3.4.6.4 converts a number expressed in one form to another

# Number Chameleon

## Teacher's Edition

### Worksheet 2

Give the percentage for the following fractions.

1. one half 50%
2. three fourths 75%
3. one tenth 10%
4. two thirds 66%
5. five eighths 63%

Give the percentage for the following decimals.

6. .23 23%
7. .87 87%
8. .91 91%
9. .31 31%
10. .47 47%

Give the decimal for the percentage listed.

11. 84% .84
12. 67% .67
13. 28% .28
14. 94% .94
15. 32% .32

Are the two numbers expressed below equal, write yes or no?

16.  $\frac{1}{3}$  and .38 no
17. .75 and  $\frac{3}{4}$  yes
18.  $\frac{2}{7}$  and .29 yes
19. .26 and 27% no
20. .48 and 48% yes

# Number Chameleon

Worksheet 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Give the percentage for the following fractions.

- 6. one half \_\_\_\_\_
- 7. three fourths \_\_\_\_\_
- 8. one tenth \_\_\_\_\_
- 9. two thirds \_\_\_\_\_
- 10. five eighths \_\_\_\_\_

Give the percentage for the following decimals.

- 6. .23 \_\_\_\_\_
- 7. .87 \_\_\_\_\_
- 8. .91 \_\_\_\_\_
- 11. .31 \_\_\_\_\_
- 12. .47 \_\_\_\_\_

Number Correct: _____
Total # Questions 20
Percentage Correct _____

Give the decimal for the percentage listed.

- 11. 84% \_\_\_\_\_
- 12. 67% \_\_\_\_\_
- 13. 28% \_\_\_\_\_
- 14. 94% \_\_\_\_\_
- 15. 32% \_\_\_\_\_

Are the two numbers expressed below equal, write yes or no?

- 16.  $\frac{1}{3}$  and .38 \_\_\_\_\_
- 17. .75 and  $\frac{3}{4}$  \_\_\_\_\_
- 18.  $\frac{2}{7}$  and .29 \_\_\_\_\_
- 19. .26 and 27% \_\_\_\_\_
- 20. .48 and 48% \_\_\_\_\_

Percent Correct	Sunshine State Standards Addressed
	MA.A.1.3.4.6.2 expresses a quantity in a variety of ways
	MA.A.1.3.4.6.3 knows whether relationships among fractions, decimals and percents are equal
	MA.A.1.3.4.6.4 converts a number expressed in one form to another