math Antics Worksheets

Name: _____

Date: _____

Greater or Less Than One

F-DEC 1

Instructions: Compare the top and bottom numbers of each fraction to tell if its value is greater than 1 or less than 1. Use the greater than (>) or less than (<) signs to show which has the greatest value.

1. $\frac{1}{3} < 1$
2. $\frac{0}{10} \bigcirc 1$
3. $\frac{2}{1} \bigcirc 1$
4. $\frac{17}{10} \bigcirc 1$
5. $\frac{7}{8} \bigcirc 1$
6. $\frac{22}{7} \bigcirc 1$
7. $\frac{4}{6} \bigcirc 1$
8. $\frac{1}{10} \bigcirc 1$
9. $\frac{9}{3} \bigcirc 1$
10. $\frac{3}{4} \bigcirc 1$
11. $\frac{5}{16} \bigcirc 1$
12. $\frac{4}{3} \bigcirc 1$
13. $\frac{7}{1} \bigcirc 1$
14. $\frac{21}{50} \bigcirc 1$
15. $\frac{14}{20} \bigcirc 1$
16. $\frac{18}{11} \bigcirc 1$
17. $\frac{25}{30} \bigcirc 1$
18. $\frac{30}{34} \bigcirc 1$
19. $\frac{18}{4} \bigcirc 1$
20. $\frac{100}{78} \bigcirc 1$

math Antics Worksheets

Name: _____

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Base 10 "Building Blocks"

F-DEC 2

Instructions: Complete the table below. Multiply by 10 to find Powers of 10 that are greater than 1. (hint: each time you multiply by 10, you can just put another zero on the end of your answer.) The first two have been done for you.

$1 \times 10 =$	10	**ten**
$10 \times 10 =$	100	**one hundred**
$100 \times 10 =$	_____	**one thousand**
$1{,}000 \times 10 =$	_____	**ten thousand**
$10{,}000 \times 10 =$	_____	**one hundred thousand**
$100{,}000 \times 10 =$	_____	**one million**
$1{,}000{,}000 \times 10 =$	_____	**ten million**

Instructions: Complete the table below. Divide by 10 to find Powers of 10 that are less than 1. (hint: each time you divide by 10, you can just put another zero on the end of the denominator.) The first two have been done for you.

$1 \div 10 =$	$\frac{1}{10}$	**one tenth**
$\frac{1}{10} \div 10 =$	$\frac{1}{100}$	**one hundredth**
$\frac{1}{100} \div 10 =$	_____	**one thousandth**
$\frac{1}{1{,}000} \div 10 =$	_____	**one ten-thousandth**
$\frac{1}{10{,}000} \div 10 =$	_____	**one hundred-thousandth**

math Antics Worksheets

Name:

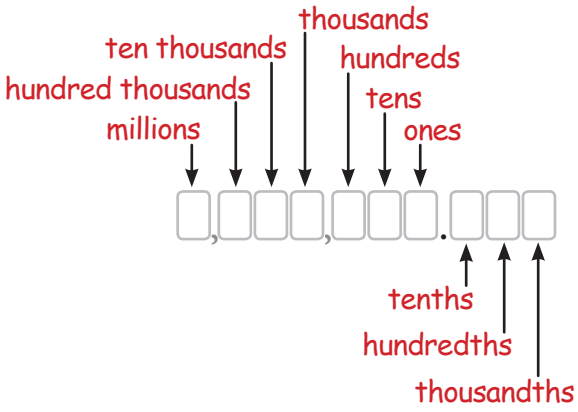
Date:

Number Place Names

F-DEC 3

Instructions: The diagram to the right shows the names of the Number Places we use most often. Use this diagram to help you complete the exercises below.

Example put a 2 in the tens place



1. put a 1 in the ones place 
2. put a 5 in the thousands place 
3. put a 8 in the hundreds place 
4. put a 4 in the tenths place 
5. put a 3 in the millions place 
6. put a 6 in the ten thousands place 
7. put a 7 in the hundredths place 
8. put a 0 in the tens place 
9. put a 2 in the thousandths place 
10. put a 9 in the hundred thousands place 

math Antics Worksheets

Name:

Date:

Number Places

F-DEC 4

Instructions: Put the correct digits in the Number Places to show the amounts listed.
If there are empty Number Places between digits, fill them with zeros as place-holders.

1 3 tens
5 ones
8 hundredths

□,□□□,□35.08□

Fill empty spots between other digits with zeros

2 4 hundreds
2 ones
5 tenths

□,□□□,□□□.□□□

3 8 thousands
7 tens
1 tenth
3 hundredths

□,□□□,□□□.□□□

4 5 ten thousands
4 thousands
2 ones
6 tenths

□,□□□,□□□.□□□

5 3 ones
1 tenth
4 hundredths
1 thousandth

□,□□□,□□□.□□□

6 2 ten thousands
9 thousands
8 hundreds
7 tenths
7 thousandths

□,□□□,□□□.□□□

7 7 millions
9 ten thousands
4 hundreds
6 tens
9 tenths
7 thousandths

□,□□□,□□□.□□□

math Antics Worksheets

Name:

Date:

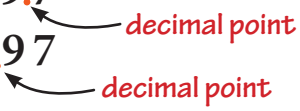
The Decimal Point

F-DEC 5

Instructions: These numbers are missing a decimal point. Put a decimal point in the spot necessary to make the number shown in written form.

1 fifty-nine point seven — 59.7

five point ninety-seven — 5.97



2 twenty-five point six — 256

two point fifty-six — 256

3 three-hundred, sixty-five point four — 3654

thirty six point fifty-four — 3654

4 fifteen point seven, five — 1575

one hundred, fifty-seven point five — 1575

5 eight point one, five, six — 8156

eight-hundred, fifteen point six — 8156

6 three-thousand, two-hundred point nine — 32009

thirty-two point zero, zero, nine — 32009

7 fifty-five thousand, two-hundred, fourteen — 55214

fifty-five point two, one, four — 55214

8 six-hundred and two point five, seven — 60257

sixty point two, five, seven — 60257

math Antics
Exercises

Name:

Date:

Fractions And Decimals

1 What digit is in the tenths place?
What is its value?

25.72

2 What digit is in the hundredths place?
What is its value?

4.238

3 What digit is in the thousandths place?
What is its value?

2.7128

4 What digit is in the tenths place?
What is its value?

1.065

5 Write in standard form:

4 tens
6 ones
1 tenth
7 hundredths

6 Write in standard form:

3 ones
2 tenths
7 hundredths
5 thousandths

7 Write in standard form:

2 hundreds
5 ones
8 thousandths

8 Put the decimal in the correct place to make each number.

thirty-four point eight 348

three point four eight 348

math Antics Worksheets

Name: _____

Date: _____

Greater or Less Than One

F-DEC 1

Instructions: Compare the top and bottom numbers of each fraction to tell if its value is greater than 1 or less than 1. Use the greater than (>) or less than (<) signs to show which has the greatest value.

1. $\frac{1}{3} < 1$
2. $\frac{0}{10} < 1$
3. $\frac{2}{1} > 1$
4. $\frac{17}{10} > 1$
5. $\frac{7}{8} < 1$
6. $\frac{22}{7} > 1$
7. $\frac{4}{6} < 1$
8. $\frac{1}{10} < 1$
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10. $\frac{3}{4} < 1$
11. $\frac{5}{16} < 1$
12. $\frac{4}{3} > 1$
13. $\frac{7}{1} > 1$
14. $\frac{21}{50} < 1$
15. $\frac{14}{20} < 1$
16. $\frac{18}{11} > 1$
17. $\frac{25}{30} < 1$
18. $\frac{30}{34} < 1$
19. $\frac{18}{4} > 1$
20. $\frac{100}{78} > 1$

math Antics Worksheets

Name: _____

Date: _____

Base 10 "Building Blocks"

F-DEC 2

Instructions: Complete the table below. Multiply by 10 to find Powers of 10 that are greater than 1. (hint: each time you multiply by 10, you can just put another zero on the end of your answer.) The first two have been done for you.

$1 \times 10 =$	10	**ten**
$10 \times 10 =$	100	**one hundred**
$100 \times 10 =$	1,000	**one thousand**
$1{,}000 \times 10 =$	10,000	**ten thousand**
$10{,}000 \times 10 =$	100,000	**one hundred thousand**
$100{,}000 \times 10 =$	1,000,000	**one million**
$1{,}000{,}000 \times 10 =$	10,000,000	**ten million**

Instructions: Complete the table below. Divide by 10 to find Powers of 10 that are less than 1. (hint: each time you divide by 10, you can just put another zero on the end of the denominator.) The first two have been done for you.

$1 \div 10 =$	$\frac{1}{10}$	**one tenth**
$\frac{1}{10} \div 10 =$	$\frac{1}{100}$	**one hundredth**
$\frac{1}{100} \div 10 =$	$\frac{1}{1{,}000}$	**one thousandth**
$\frac{1}{1{,}000} \div 10 =$	$\frac{1}{10{,}000}$	**one ten-thousandth**
$\frac{1}{10{,}000} \div 10 =$	$\frac{1}{100{,}000}$	**one hundred-thousandth**

math Antics Worksheets

Name:

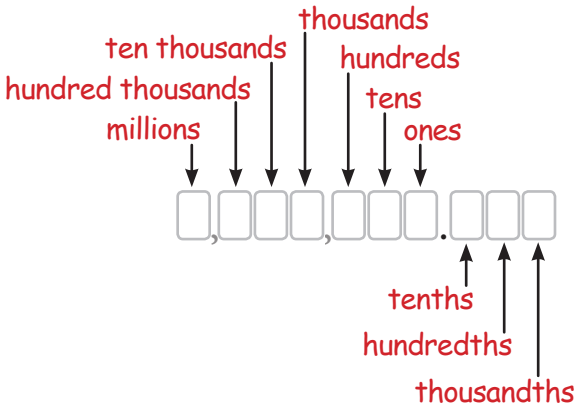
Date:

Number Place Names

F-DEC 3

Instructions: The diagram to the right shows the names of the Number Places we use most often. Use this diagram to help you complete the exercises below.

Example put a 2 in the tens place



1. put a 1 in the ones place

2. put a 5 in the thousands place

3. put a 8 in the hundreds place

4. put a 4 in the tenths place

5. put a 3 in the millions place

6. put a 6 in the ten thousands place

7. put a 7 in the hundredths place

8. put a 0 in the tens place

9. put a 2 in the thousandths place

10. put a 9 in the hundred thousands place

math Antics Worksheets

Name:

Date:

Number Places

F-DEC 4

Instructions: Put the correct digits in the Number Places to show the amounts listed.
If there are empty Number Places between digits, fill them with zeros as place-holders.

1 3 tens
5 ones
8 hundredths

□,□□□,□35.08□

Fill empty spots between other digits with zeros

2 4 hundreds
2 ones
5 tenths

□,□□□,402.5□□

3 8 thousands
7 tens
1 tenth
3 hundredths

□,□□8,070.13□

4 5 ten thousands
4 thousands
2 ones
6 tenths

□,□54,002.6□□

5 3 ones
1 tenth
4 hundredths
1 thousandth

□,□□□,□□3.141

6 2 ten thousands
9 thousands
8 hundreds
7 tenths
7 thousandths

□,□29,800.707

7 7 millions
9 ten thousands
4 hundreds
6 tens
9 tenths
7 thousandths

7,090,460.907

math Antics Worksheets

Name:

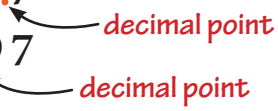
Date:

The Decimal Point

F-DEC 5

Instructions: These numbers are missing a decimal point. Put a decimal point in the spot necessary to make the number shown in written form.

1. fifty-nine point seven — 59.7
   five point ninety-seven — 5.97



2. twenty-five point six — 25.6
   two point fifty-six — 2.56

3. three-hundred, sixty-five point four — 365.4
   thirty six point fifty-four — 36.54

4. fifteen point seven, five — 15.75
   one hundred, fifty-seven point five — 157.5

5. eight point one, five, six — 8.156
   eight-hundred, fifteen point six — 815.6

6. three-thousand, two-hundred point nine — 3200.9
   thirty-two point zero, zero, nine — 32.009

7. fifty-five thousand, two-hundred, fourteen — 55214. (optional)
   fifty-five point two, one, four — 55.214

8. six-hundred and two point five, seven — 602.57
   sixty point two, five, seven — 60.257

math Antics
Exercises

Name:

Date:

Fractions And Decimals

1 What digit is in the tenths place?
What is its value?

$25.\underline{7}2$

7

Its value is $\frac{7}{10}$

2 What digit is in the hundredths place?
What is its value?

$4.2\underline{3}8$

3

Its value is $\frac{3}{100}$

3 What digit is in the thousandths place?
What is its value?

$2.71\underline{2}8$

2

Its value is $\frac{2}{1000}$

4 What digit is in the tenths place?
What is its value?

$1.\underline{0}65$

0

Its value is $\frac{0}{10}$ or 0

5 Write in standard form:

4 tens
6 ones
1 tenth
7 hundredths

46.17

6 Write in standard form:

3 ones
2 tenths
7 hundredths
5 thousandths

3.275

7 Write in standard form:

2 hundreds
5 ones
8 thousandths

205.008

8 Put the decimal in the correct place to make each number.

thirty-four point eight 34.8

three point four eight 3.48

See Video for step-by-step solutions to each problem.