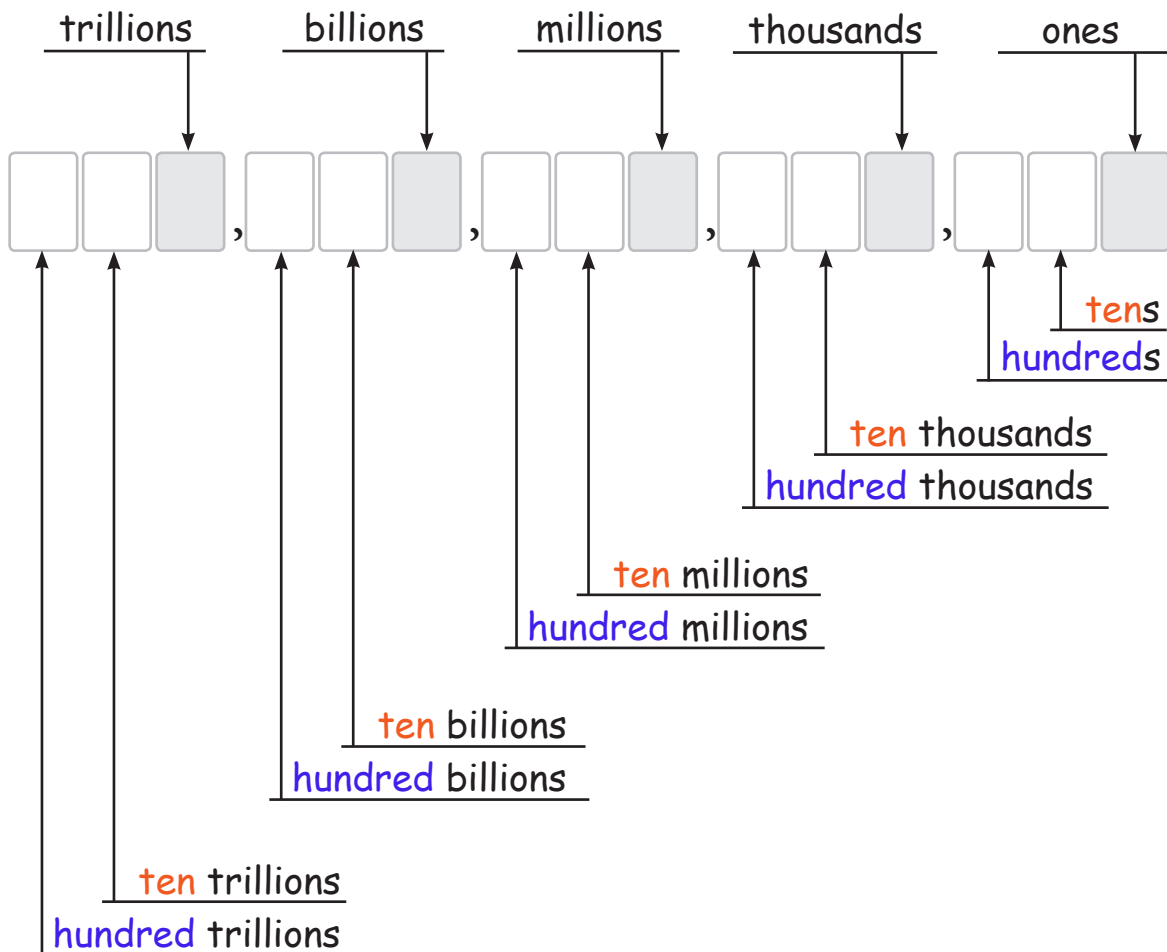Name:

Date:

Number Place Names

Memorizing the most common number place names will be much easier once you recognize how the pattern of "tens" and "hundreds" names are repeated as prefixes for each group of three numbers places.

These groups of three number places are called "periods". The periods are separated by commas. Periods are named according to the name of the first (right-most) number place they contain. These names are listed below and the number places they refer to are shaded grey.

Once you memorize the period names, you can easily remember the names of the other two number places in each period by noticing that (except in the case of the ones period) you just attach the words "**ten**" and "**hundred**" in front of them.

There are more number places than are shown here (actually an infinite amount) but these are number places that are commonly used and are the most important to memorize.

Math Antics

Worksheets

Identifying Number Places - Set 1

Instructions: Use your knowledge of number place names to identify the digits asked for in each problem below.

1 8 3 , 2 0 4

What digit is in the hundreds place? **2**

What digit is in the ten thousands place? **8**

2 6 9 , 4 2 5

What digit is in the ones place? **5**

What digit is in the thousands place? **9**

3 7 2 5 , 1 3 0

What digit is in the tens place? **3**

What digit is in the hundred thousands place? **7**

4 4 0 2 , 6 1 5

What digit is in the ten thousands place? **0**

What digit is in the thousands place? **2**

5 3 6 , 0 8 4 , 7 1 0

What digit is in the thousands place? **4**

What digit is in the millions place? **6**

6 5 0 , 3 2 5 , 8 9 9

What digit is in the ten millions place? **5**

What digit is in the hundred thousands place? **3**

7 8 1 2 , 6 8 4 , 1 8 5

What digit is in the hundred millions place? **8**

What digit is in the hundreds place? **1**

Math Antics

Worksheets

Name: _____

Date: _____

Identifying Number Places - Set 2

Instructions: Use your knowledge of number place names to identify the digits asked for in each problem below.

1 1,863

What digit is in the tens place? 6

What digit is in the hundreds place? 8

2 24,068

What digit is in the ones place? 8

What digit is in the ten thousands place? 2

3 180,356

What digit is in the thousands place? 0

What digit is in the hundred thousands place? 1

4 65,275,967

What digit is in the ten millions place? 6

What digit is in the ten thousands place? 7

5 94,073,503

What digit is in the millions place? 4

What digit is in the ones place? 3

6 2,734,981,862

What digit is in the billions place? 2

What digit is in the hundred millions place? 7

7 5,609,400,200

What digit is in the millions place? 9

What digit is in the billions place? 5

▶ Place Value • mathantics.com

Name: _____

Date: _____

Invisible Number Places

PV 4

Instructions: Number places are usually invisible, so you need to be able to identify the digits they contain even when they are not shown. For each multi-digit number below, circle the digit that is in the number place listed.

1 tens place

4,2(3)5

2 thousands place

3(7),1 0 6

3 ones place

7 2(9)

4 hundreds place

5,(0)6 2

5 ten thousands place

3,1(0)7,9 3 3

6 millions place

(1),4 8 0,3 4 0

7 tens place

9 9 2,8(4)7

8 hundred thousands place

1 8 0,(3)4 5,0 9 5

9 ten thousands place

6 5,3(8)1,0 0 0

10 ten thousands place

(7)0,5 1 2

11 hundreds place

8,1 8 4,(3)2 6

12 hundred millions place

6 0,(5)2 2,1 6 8,0 0 0

13 ones place

4 4,2 8 2,3 1(5)

14 millions place

1,5 4(6),1 0 8,3 2 0

15 billions place

9,8 4(0),3 2 7,7 8 0,4 1 9

16 ten millions place

(5)2,7 8 9,1 6 0

17 trillions place

(1),6 3 0,7 0 5,1 1 6,5 2 5

18 ten billions place

3(2)8,1 6 0,5 9 8,1 2 3

19 hundreds thousands place

8,(2)1 5,0 0 0

20 hundred billions place

5,(3)1 4,0 5 0,8 7 0,9 1 2

Math Antics
Worksheets

Name: _____

Date: _____

Place Value

Instructions: Remember that a digit's place determines its value as you answer the questions below.

1 What is the place value of the digit '4' in this number?

24,180 _____ 4,000

2 What is the place value of the digit '2' in this number?

9,150,245 _____ 200

3 What is the place value of the digit '7' in this number?

675,431 _____ 70,000

4 What is the place value of the digit '6' in this number?

81,465 _____ 60

5 What is the place value of the digit '1' in this number?

81,955,320 _____ 1,000,000

6 What is the place value of the digit '9' in this number?

591,308 _____ 90,000

7 What is the place value of the digit '2' in this number?

782,195 _____ 2,000

8 What is the place value of the digit '7' in this number?

1,390,537 _____ 7

9 What is the place value of the digit '8' in this number?

251,862,440 _____ 800,000

10 What is the place value of the digit '4' in this number?

54,126,825 _____ 4,000,000

11 What is the place value of the digit '9' in this number?

12,764,395 _____ 90

12 What is the place value of the digit '8' in this number?

16,530,814 _____ 800

13 What is the place value of the digit '2' in this number?

2,141,850,365 _____ 2,000,000,000

14 What is the place value of the digit '5' in this number?

74,519,316 _____ 500,000

Math Antics

Worksheets

Expanded Form

Instructions: Use what you learned in the video to write these numbers in expanded form.

1 14,527   10,000 + 4,000 + 500 + 20 + 7

2 385   300 + 80 + 5

3 97   90 + 7

4 6,134   6,000 + 100 + 30 + 4

5 35,729   30,000 + 5,000 + 700 + 20 + 9

6 68,014   60,000 + 8,000 + 10 + 4

7 40,920   40,000 + 900 + 20

8 997   900 + 90 + 7

9 125,378   100,000 + 20,000 + 5,000 + 300 + 70 + 8

10 5,261   5,000 + 200 + 60 + 1

11 33,333   30,000 + 3,000 + 300 + 30 + 3

12 7,040,527   7,000,000 + 40,000 + 500 + 20 + 7

13 750,088   700,000 + 50,000 + 80 + 8

14 64,512   60,000 + 4,000 + 500 + 10 + 2