

## Number Place Names

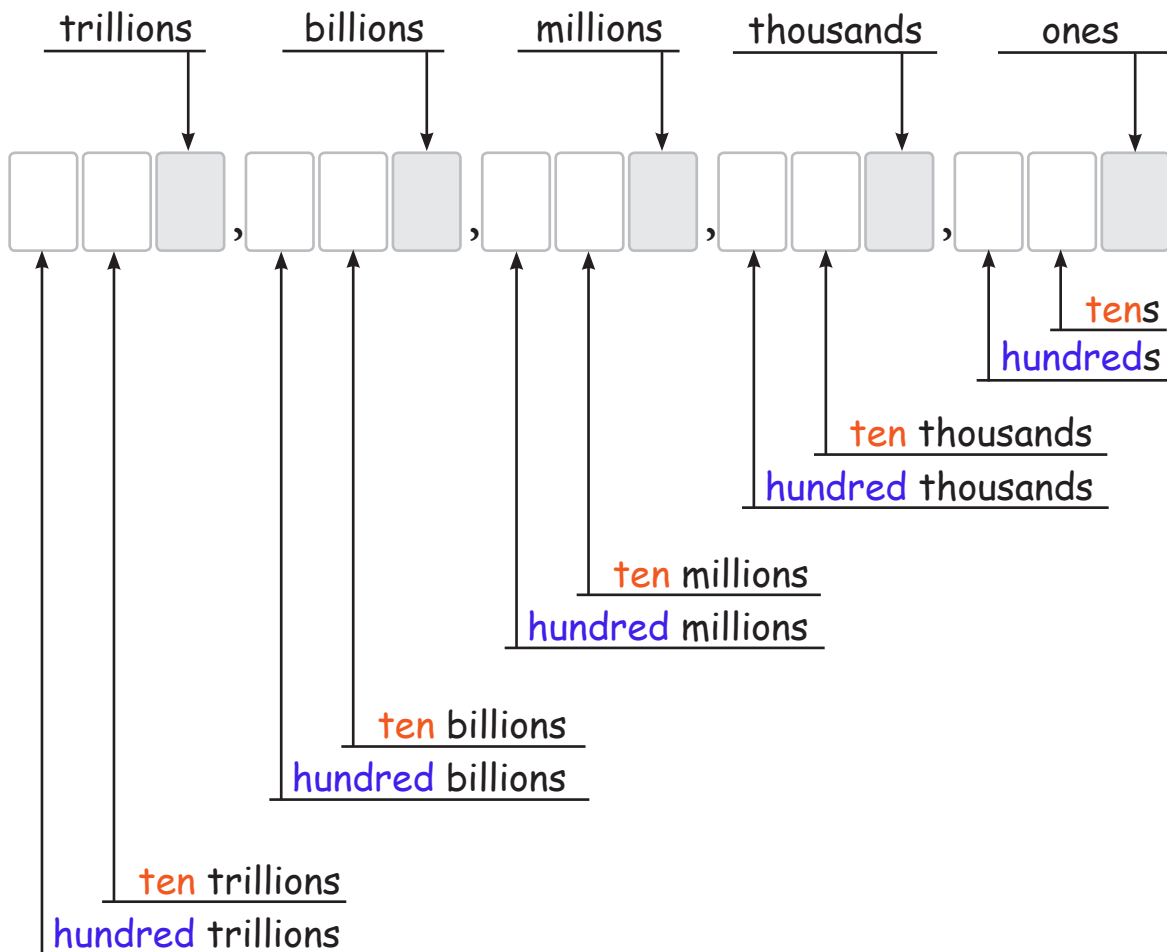
NS-PV 1

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 number 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.



## Identifying Number Places - Set 1

NS-PV 2

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

1 83,204

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

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

2 69,425

What digit is in the ones place? ..... \_\_\_\_\_

What digit is in the thousands place? ..... \_\_\_\_\_

3 725,130

What digit is in the tens place? ..... \_\_\_\_\_

What digit is in the hundred thousands place? ..... \_\_\_\_\_

4 402,615

What digit is in the ten thousands place? ..... \_\_\_\_\_

What digit is in the thousands place? ..... \_\_\_\_\_

5 36,084,710

What digit is in the thousands place? ..... \_\_\_\_\_

What digit is in the millions place? ..... \_\_\_\_\_

6 50,325,899

What digit is in the ten millions place? ..... \_\_\_\_\_

What digit is in the hundred thousands place? ..... \_\_\_\_\_

7 812,684,185

What digit is in the hundred millions place? ..... \_\_\_\_\_

What digit is in the hundreds place? ..... \_\_\_\_\_

## Identifying Number Places - Set 2

NS-PV 3

**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? \_\_\_\_\_

What digit is in the hundreds place? \_\_\_\_\_

2 **24,068**

What digit is in the ones place? \_\_\_\_\_

What digit is in the ten thousands place? \_\_\_\_\_

3 **180,356**

What digit is in the thousands place? \_\_\_\_\_

What digit is in the hundred thousands place? \_\_\_\_\_

4 **65,275,967**

What digit is in the ten millions place? \_\_\_\_\_

What digit is in the ten thousands place? \_\_\_\_\_

5 **94,073,503**

What digit is in the millions place? \_\_\_\_\_

What digit is in the ones place? \_\_\_\_\_

6 **2,734,981,862**

What digit is in the billions place? \_\_\_\_\_

What digit is in the hundred millions place? \_\_\_\_\_

7 **5,609,400,200**

What digit is in the millions place? \_\_\_\_\_

What digit is in the billions place? \_\_\_\_\_

## Invisible Number Places

NS-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),106

3 ones place  
729

4 hundreds place  
5,062

5 ten thousands place  
3,107,933

6 millions place  
1,480,340

7 tens place  
992,847

8 hundred thousands place  
180,345,095

9 ten thousands place  
65,381,000

10 ten thousands place  
70,512

11 hundreds place  
8,184,326

12 hundred millions place  
60,522,168,000

13 ones place  
44,282,315

14 millions place  
1,546,108,320

15 billions place  
9,840,327,780,419

16 ten millions place  
52,789,160

17 trillions place  
1,630,705,116,525

18 ten billions place  
328,160,598,123

19 hundreds thousands place  
8,215,000

20 hundred billions place  
5,314,050,870,912

## Place Value

NS-PV 5

**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      \_\_\_\_\_

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

675,431      \_\_\_\_\_

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

81,465      \_\_\_\_\_

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

81,955,320      \_\_\_\_\_

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

591,308      \_\_\_\_\_

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

782,195      \_\_\_\_\_

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

1,390,537      \_\_\_\_\_

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

251,862,440      \_\_\_\_\_

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

54,126,825      \_\_\_\_\_

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

12,764,395      \_\_\_\_\_

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

16,530,814      \_\_\_\_\_

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

2,141,850,365      \_\_\_\_\_

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

74,519,316      \_\_\_\_\_

## Expanded Form

NS-PV 6

**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     \_\_\_\_\_

3 97     \_\_\_\_\_

4 6,134     \_\_\_\_\_

5 35,729     \_\_\_\_\_

6 68,014     \_\_\_\_\_

7 40,920     \_\_\_\_\_

8 997     \_\_\_\_\_

9 125,378     \_\_\_\_\_

10 5,261     \_\_\_\_\_

11 33,333     \_\_\_\_\_

12 7,040,527     \_\_\_\_\_

13 750,088     \_\_\_\_\_

14 64,512     \_\_\_\_\_

## Number Place Names

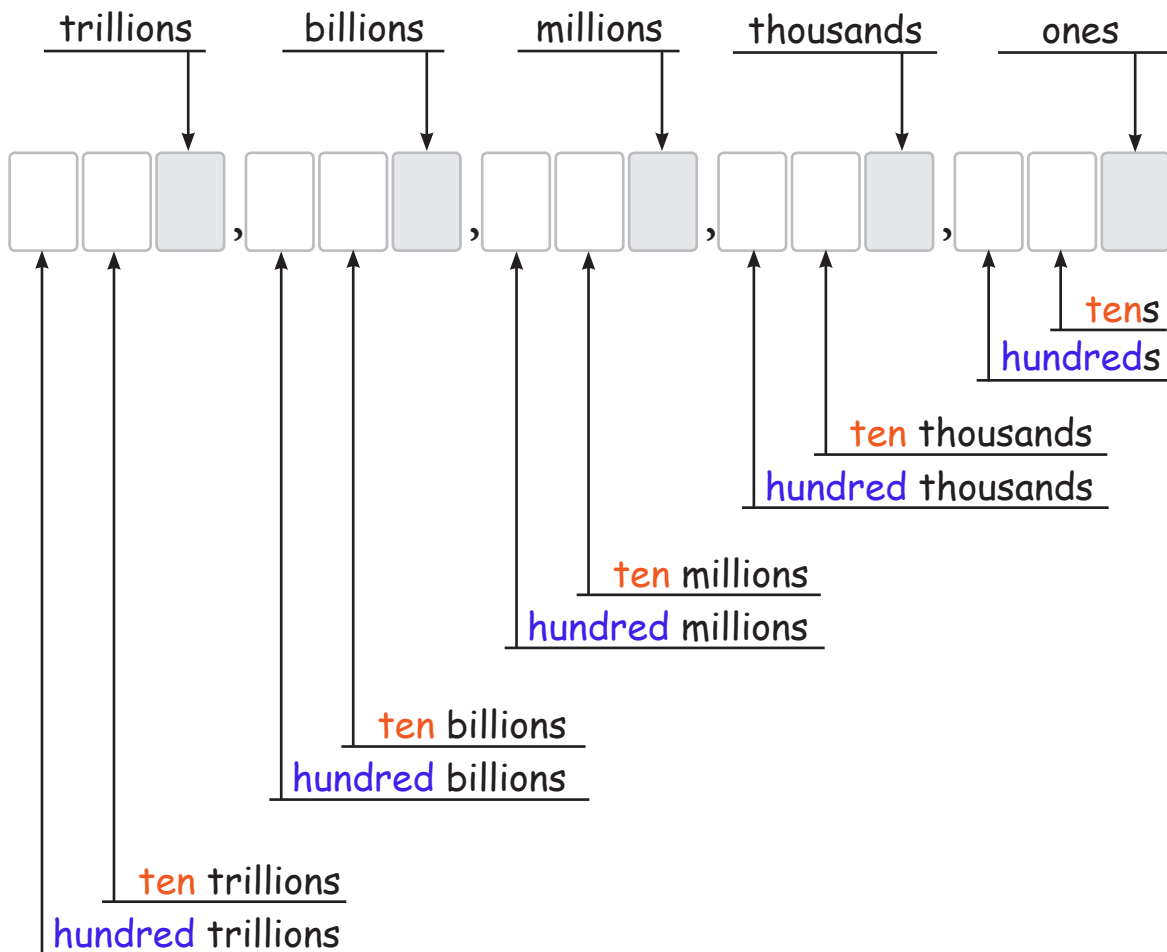
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## Identifying Number Places - Set 1

NS-PV 2

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

**1**    **83,204**  
 What digit is in the hundreds place? ..... 2  
 What digit is in the ten thousands place? ..... 8

**2**    **69,425**  
 What digit is in the ones place? ..... 5  
 What digit is in the thousands place? ..... 9

**3**    **725,130**  
 What digit is in the tens place? ..... 3  
 What digit is in the hundred thousands place? ..... 7

**4**    **402,615**  
 What digit is in the ten thousands place? ..... 0  
 What digit is in the thousands place? ..... 2

**5**    **36,084,710**  
 What digit is in the thousands place? ..... 4  
 What digit is in the millions place? ..... 6

**6**    **50,325,899**  
 What digit is in the ten millions place? ..... 5  
 What digit is in the hundred thousands place? ..... 3

**7**    **812,684,185**  
 What digit is in the hundred millions place? ..... 8  
 What digit is in the hundreds place? ..... 1



## Identifying Number Places - Set 2

NS-PV 3

**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

## Invisible Number Places

NS-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),106

3 ones place  
72(9)

4 hundreds place  
5,(0)62

5 ten thousands place  
3,1(0)7,933

6 millions place  
(1),480,340

7 tens place  
992,8(4)7

8 hundred thousands place  
180,(3)45,095

9 ten thousands place  
65,3(8)1,000

10 ten thousands place  
(7)0,512

11 hundreds place  
8,184,(3)26

12 hundred millions place  
60,(5)22,168,000

13 ones place  
44,282,31(5)

14 millions place  
1,54(6),108,320

15 billions place  
9,840,(3)27,780,419

16 ten millions place  
(5)2,789,160

17 trillions place  
(1),630,705,116,525

18 ten billions place  
3(2)8,160,598,123

19 hundreds thousands place  
8,(2)15,000

20 hundred billions place  
5,(3)14,050,870,912

## Place Value

NS-PV 5

**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

## Expanded Form

NS-PV 6

**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

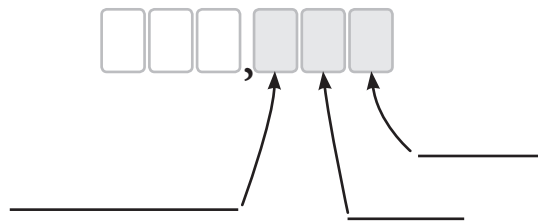
14 64,512 60,000 + 4,000 + 500 + 10 + 2

## Place Value

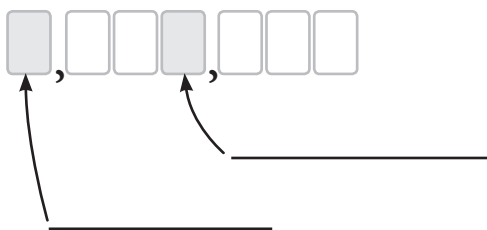
**1** Fill in the blank.

In a multi-digit number, the number place that a digit is in determines its \_\_\_\_\_.

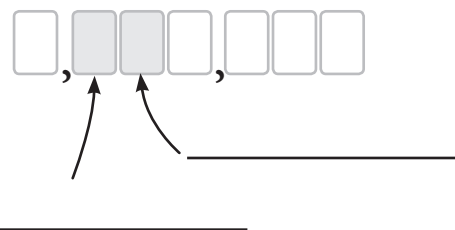
**2** Name the number places:



**3** Name the number places:



**4** Name the number places:



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

425

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

1,682

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

17,018

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

3,854,172

**9** Write this number in expanded form:

836

**10** Write this number in expanded form:

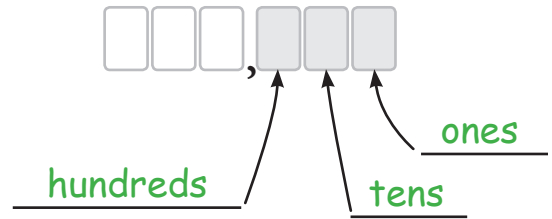
2,507

## Place Value

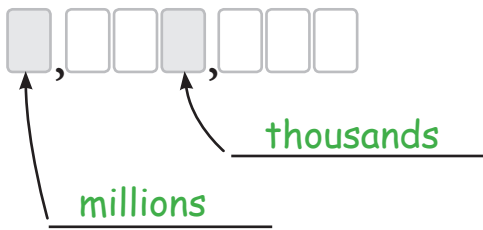
**1** Fill in the blank.

In a multi-digit number, the number place that a digit is in determines its value.

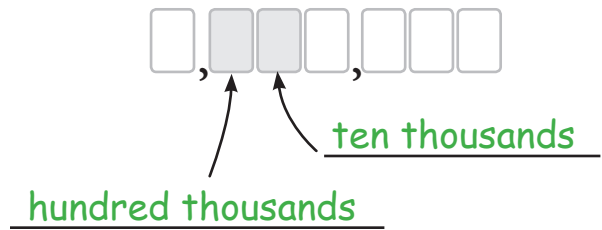
**2** Name the number places:



**3** Name the number places:



**4** Name the number places:



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

425

because the 2 is in the 'tens place'  
it represents two tens ( $2 \times 10$ )  
so its place value is:

20

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

1,682

because the 6 is in the 'hundreds place'  
it represents six hundreds ( $6 \times 100$ )  
so its place value is:

600

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

17,018

because the 7 is in the 'thousands place'  
it represents seven thousands ( $7 \times 1,000$ )  
so its place value is:

7,000

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

3,854,172

because the 3 is in the 'millions place'  
it represents three millions ( $3 \times 1,000,000$ )  
so its place value is:

3,000,000

**9** Write this number in expanded form:

836

$800 + 30 + 6$

**10** Write this number in expanded form:

2,507

$2,000 + 500 + 7$