All About Place Value: 10 Worksheets

Give your child the worksheets she needs to boost her place value skills. Once she masters the foundations of place value, she'll be set up to understand the building blocks of math.
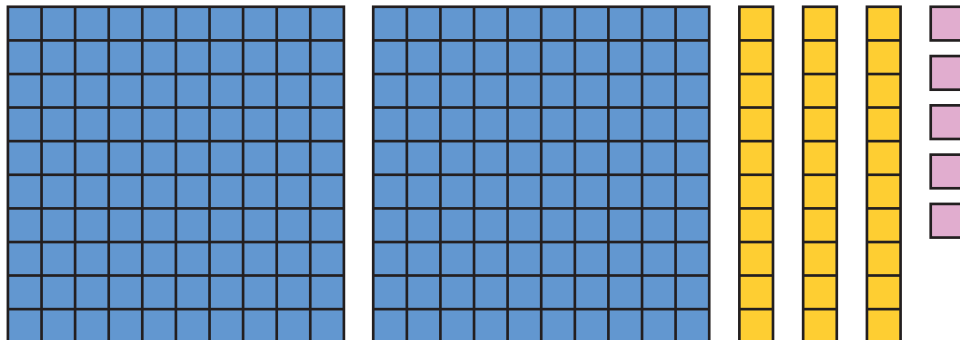
Table of Contents

Name _____   Date _____

Hundreds, Tens, and Ones

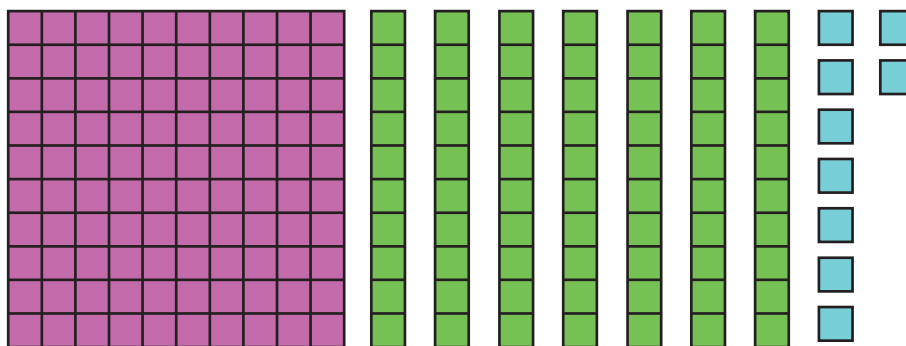**Place value** is the value of a digit based on its position in a number.

__2__ hundreds   __3__ tens   __5__ ones   = __235__
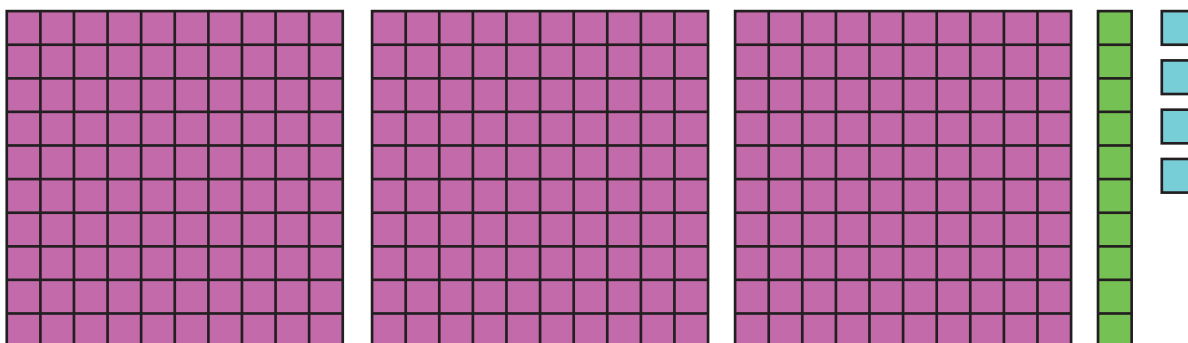
Directions: Count the hundreds, tens, and ones in the images below. Write the numbers in the boxes.

1.

_____ hundreds   _____ tens   _____ ones   = _____
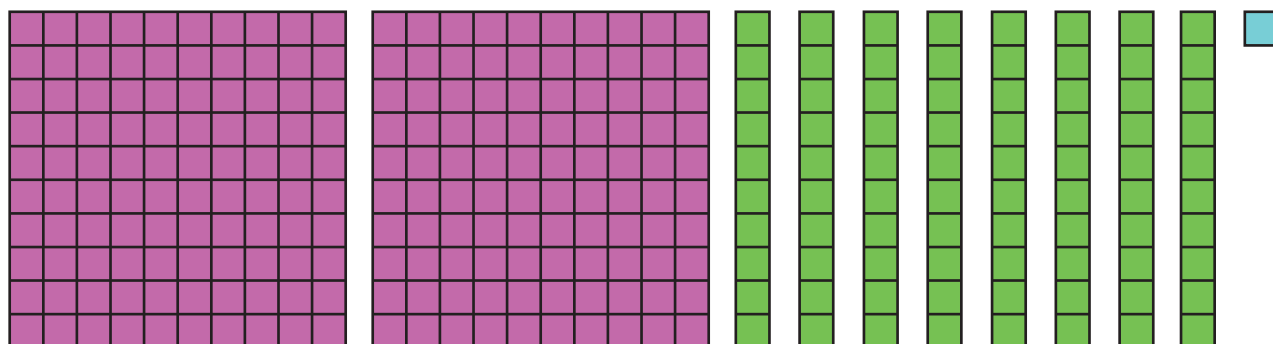
2.

_____ hundreds   _____ tens   _____ ones   = _____

Hundreds, Tens, and Ones

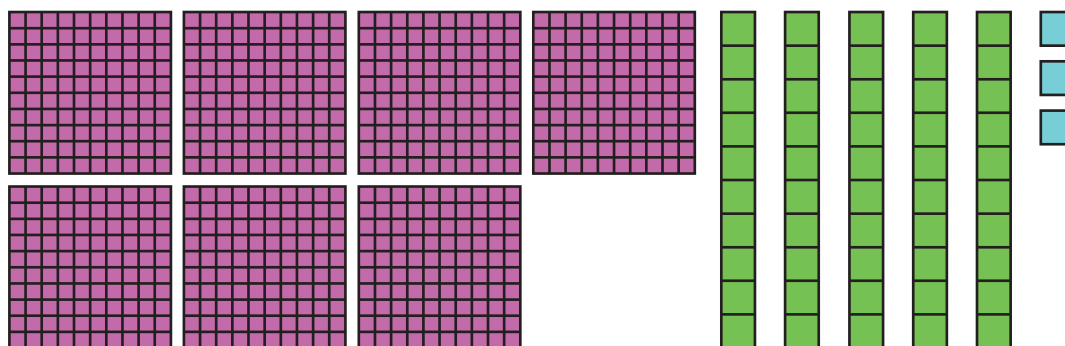**3.**

_____ hundreds   _____ tens   _____ ones   = _____

4.

_____ hundreds   _____ tens   _____ ones   = _____

5.
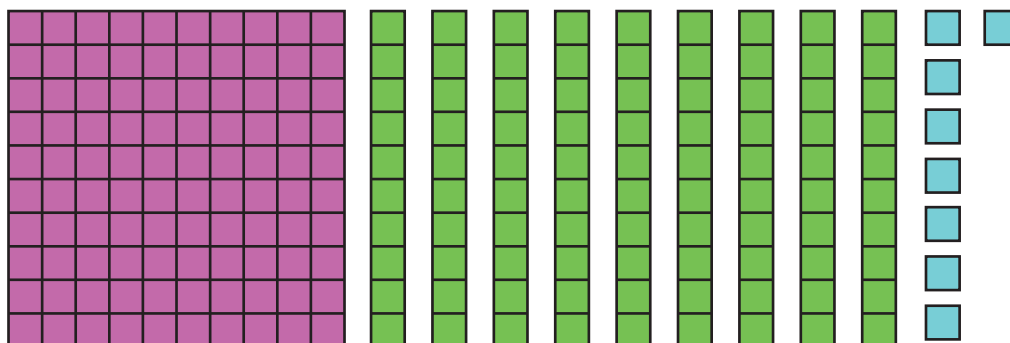
_____ hundreds   _____ tens   _____ ones   = _____

Cupcake Match

Draw a line to match the number to the words.

24

316

1,487

215

12

1,854

423

1 ten and 2 ones

4 hundreds, 2 tens, and 3 ones

1 thousand, 8 hundreds,
5 tens, and 4 ones

2 tens and 4 ones

2 hundreds, 1 ten, and 5 ones

1 thousand, 4 hundreds,
8 tens, and 7 ones

3 hundreds, 1 ten, and 6 ones

Digging Digits #1

Change these place values into 3-digit numbers. See the example.
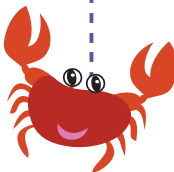
100 + 50 + 9
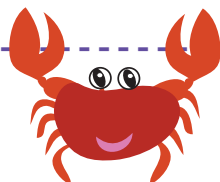
159

100 + 40 + 2

100 + 90 + 7

300 + 50 + 3

200 + 40 + 8

400 + 70 + 4

700 + 80 + 5
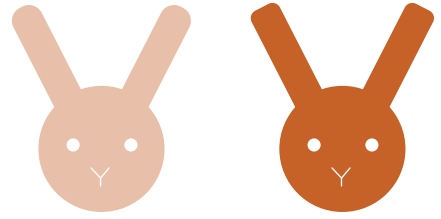
900 + 90 + 6

More worksheets at www.education.com/worksheets

Learning About Numbers
Expanded Form

Let's learn about numbers and how to write them in expanded form. A number can be made up of many smaller numbers.

For example: **100 + 10 + 2 = 112** or **112 = 100 + 10 + 2**

Write the number from each expanded form:

1. 100 + 20 + 5 = <u>125</u>

2. 200 + 10 + 3 = _____

3. 300 + 40 + 2 = _____

4. 400 + 30 + 1 = _____

5. 500 + 50 + 4 = _____

6. 100 + 40 + 7 = _____

7. 200 + 20 + 6 = _____

8. 300 + 70 + 5 = _____

9. 400 + 50 + 2 = _____

10. 500 + 70 + 9 = _____

Write the expanded form of each number:

1. 192 = <u>100</u> + <u>90</u> + <u>2</u>

2. 265 = ____ + ____ + ____

3. 347 = ____ + ____ + ____

4. 442 = ____ + ____ + ____

5. 564 = ____ + ____ + ____

6. 136 = ____ + ____ + ____

7. 249 = ____ + ____ + ____

8. 319 = ____ + ____ + ____

9. 483 = ____ + ____ + ____

10. 512 = ____ + ____ + ____

Writing Out Place Value II

Fill in the missing numbers in the box.
Then write out the place values on the line provided.
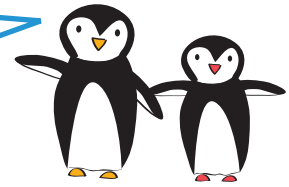
$725 = 700 + \boxed{20} + 5 = $ _Seven hundreds, two tens, and five ones._

$593 = \boxed{} + 90 + \boxed{} = $ _____

$4421 = \boxed{} + \boxed{} + \boxed{} + 1 = $ _____

$8079 = 8{,}000 + \boxed{} + \boxed{} = $ _____

$9437 = 9{,}000 + \boxed{} + \boxed{} + \boxed{} = $ _____

$25766 = 20{,}000 + \boxed{} + \boxed{} + 60 + 6$

$= $ _____

$97642 = \boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{}$

$= $ _____

$456387 = 400{,}000 + \boxed{} + 6{,}000 + \boxed{} + \boxed{} + \boxed{}$

$= $ _____

$2357278 = \boxed{} + \boxed{} + \boxed{} + 7{,}000 + \boxed{} + \boxed{} + 8$

$= $ _____

$8860324 = \boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{} + 4$

$= $ _____

More worksheets at www.education.com/worksheets

Numbers, Numbers

Write the place value for each numeral on the chart.

	thousands	hundreds	tens	ones
1,754	_____	_____	_____	_____
2,698	_____	_____	_____	_____
4,761	_____	_____	_____	_____
7,240	_____	_____	_____	_____
5,379	_____	_____	_____	_____
3,105	_____	_____	_____	_____
6,982	_____	_____	_____	_____
9,012	_____	_____	_____	_____

Draw a line to match the number to the words.

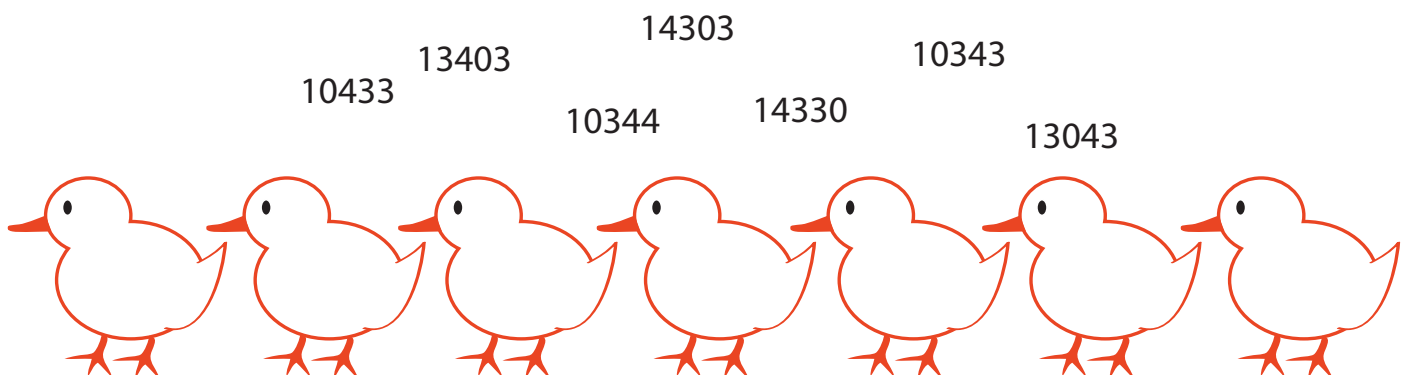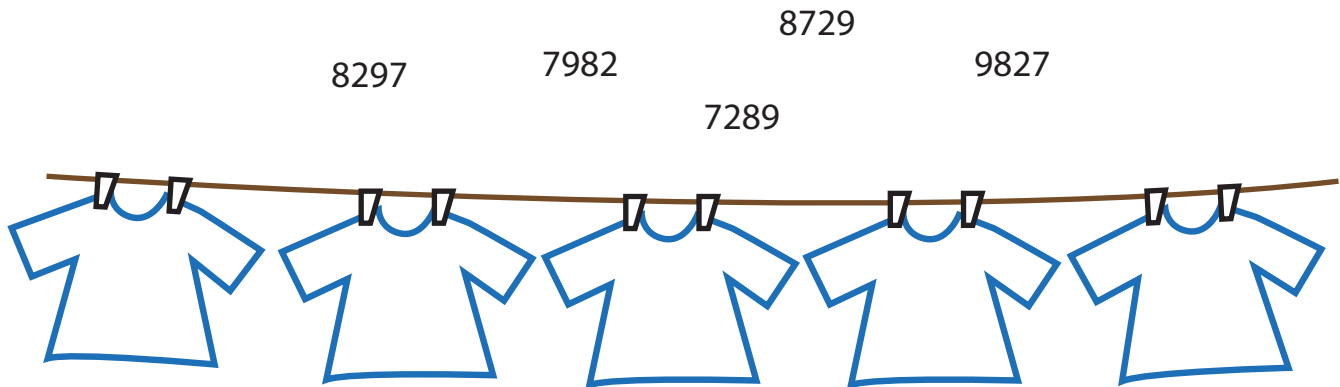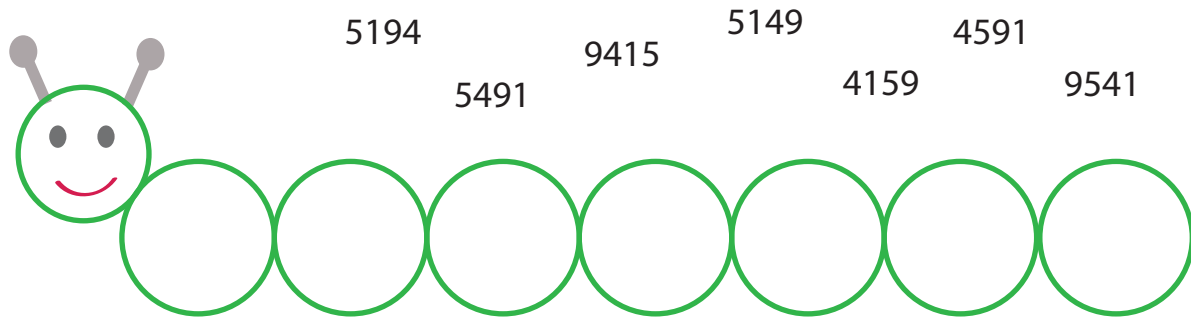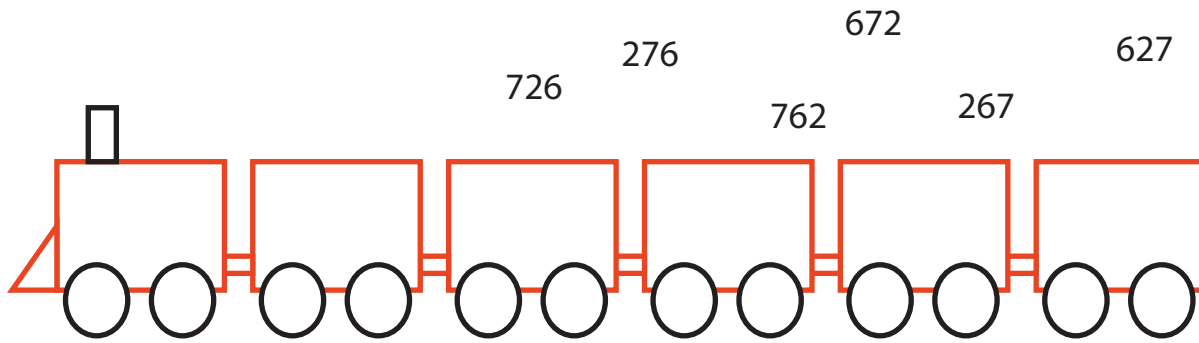|	
2,328	5 thousands, 8 hundreds, 3 tens, and 4 ones
3,424	3 thousands, 5 hundreds, 1 ten, and 5 ones
5,834	2 thousands, 3 hundreds, 2 tens, and 8 ones
7,146	7 thousands, 1 hundred, 4 tens, and 6 ones
3,515	3 thousands, 4 hundreds, 2 tens, and 4 ones

Place Value: Number Fun!

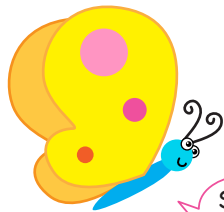Fill in the spaces below with the numbers in order from largest to smallest numbers.

672
276
627
726
762
267

5194
5149
4591
9415
5491
4159
9541

8729
8297
7982
9827
7289

14303
13403
10343
10433
10344
14330
13043

2nd Grade Math

Counting

Count from 150 to 200 by filling in the missing numbers inside the flowers below!

Start here!

150 · · 152 · 154 · ·

· 157 · · 160 · · 163

· 165 166 · · 169 170 ·

· 173 · · 176 177 · ·

180 181 · · 184 · · 187

· 189 190 · · 193 194 ·

· · 198 199 ·

Nice job!
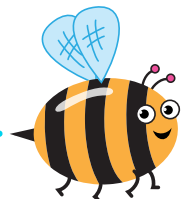
Comparing ★2 Digit Numbers

Write the numbers in the boxes from the least to the greatest value. See the example below.

10, 15, 11

[10] < [11] < [15]

20, 32, 28

[ ] < [ ] < [ ]

40, 27, 52

[ ] < [ ] < [ ]

68, 29, 34

[ ] < [ ] < [ ]

49, 65, 48

[ ] < [ ] < [ ]

34, 47, 98, 73

[ ] < [ ] < [ ] < [ ]

75, 38, 61, 46, 93

[ ] < [ ] < [ ] < [ ] < [ ]

Answer Sheets

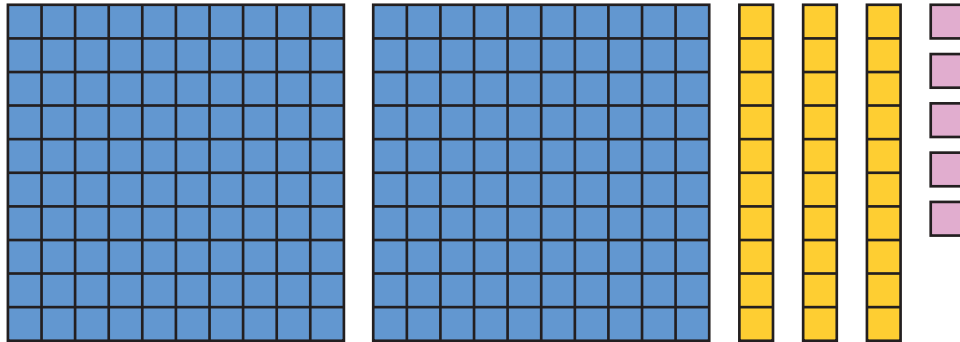## All About Place Value: 10 Worksheets

Hundreds, Tens, and Ones
Number Place Values: Cupcake Match
Place Value: Expanding Numbers
Place Value: Numbers, Numbers
Learning Place Value: Number Fun!
Counting Numbers 150-200

Hundreds, Tens, and Ones

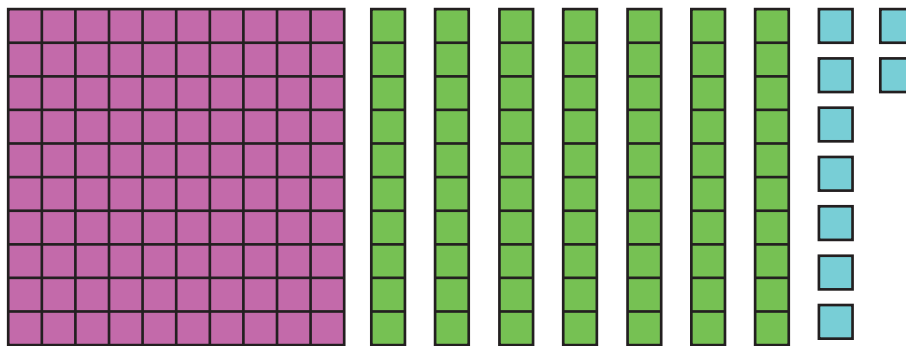**Place value** is the value of a digit based on its position in a number.

___**2**___ hundreds   ___**3**___ tens   ___**5**___ ones   = ___**235**___
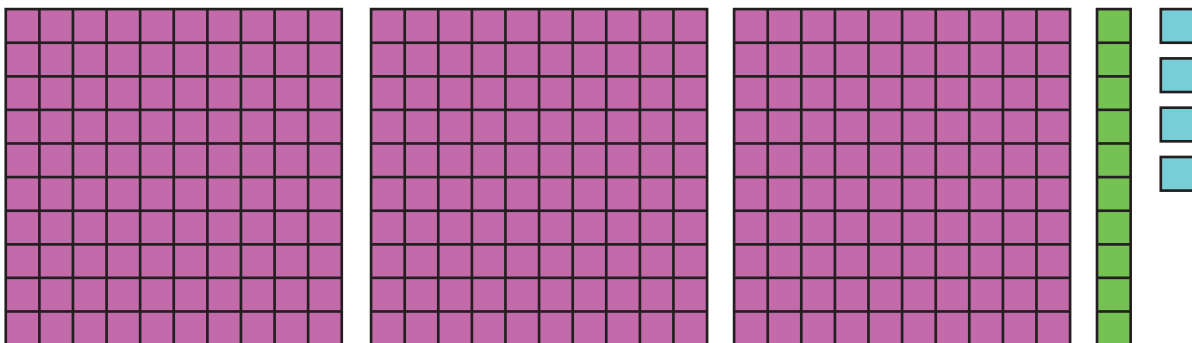
Directions: Count the hundreds, tens, and ones in the images below. Write the numbers in the boxes.

1.

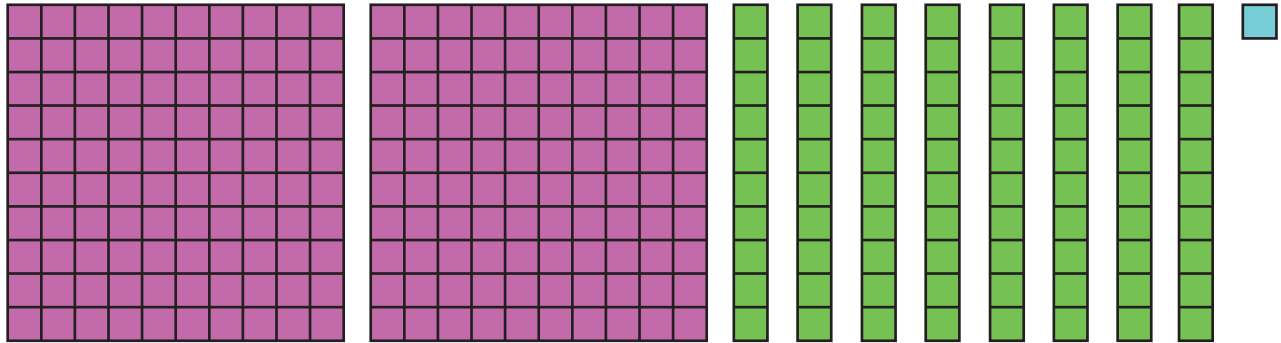___1___ hundreds   ___7___ tens   ___9___ ones   = ___179___

2.

___3___ hundreds   ___1___ tens   ___4___ ones   = ___314___

Hundreds, Tens, and Ones

3.

_____2_____ **hundreds**   _____8_____ **tens**   _____1_____ **ones**   = _____281_____

4.
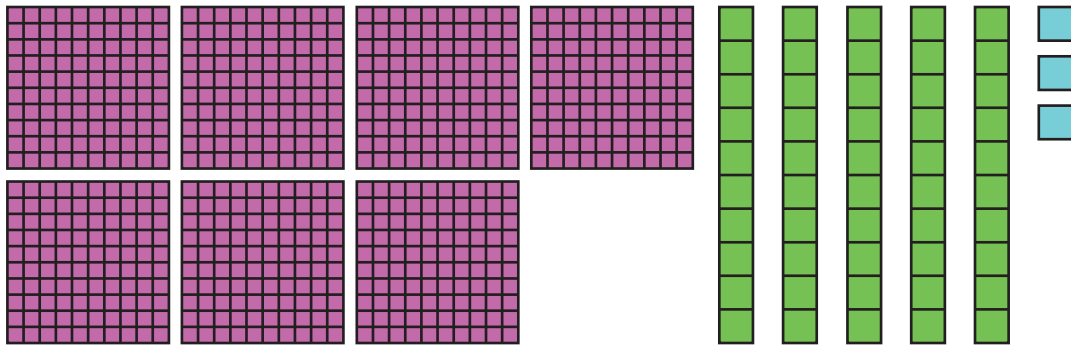
_____7_____ **hundreds**   _____5_____ **tens**   _____3_____ **ones**   = _____753_____

5.
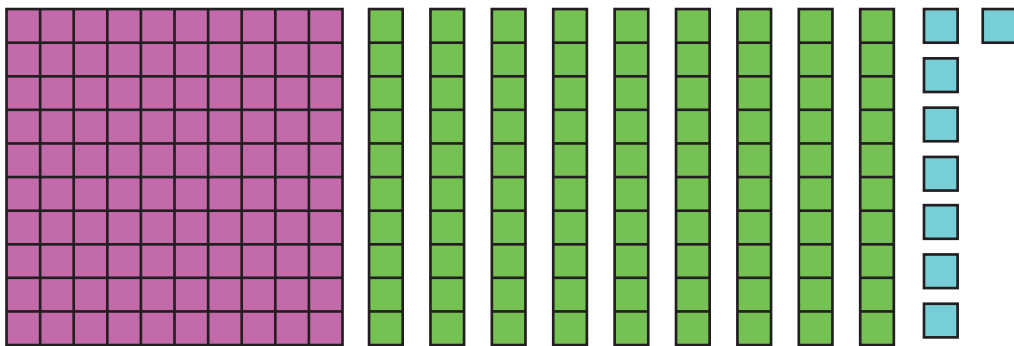
_____1_____ **hundreds**   _____9_____ **tens**   _____8_____ **ones**   = _____198_____

Cupcake Match Answer Key

Draw a line to match the number to the words.

24

316

1,487

215

12

1,854

423

1 ten and 2 ones

4 hundreds, 2 tens, and 3 ones

1 thousand, 8 hundreds,
5 tens, and 4 ones

2 tens and 4 ones
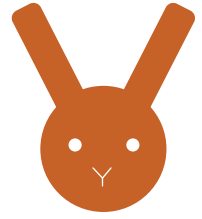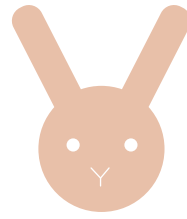
2 hundreds, 1 ten, and 5 ones

1 thousand, 4 hundreds,
8 tens, and 7 ones

3 hundreds, 1 ten, and 6 ones

Name _____   Date _____

Learning About Numbers
Expanded Form

> Let's learn about numbers and how to write them in expanded form.
> A number can be made up of many smaller numbers.
>
> For example: **100 + 10 + 2 = 112**   or   **112 = 100 + 10 + 2**

Write the number from each expanded form:

1. 100 + 20 + 5 = __125__

2. 200 + 10 + 3 = __213__

3. 300 + 40 + 2 = __342__

4. 400 + 30 + 1 = __431__

5. 500 + 50 + 4 = __554__

6. 100 + 40 + 7 = __147__

7. 200 + 20 + 6 = __226__

8. 300 + 70 + 5 = __375__

9. 400 + 50 + 2 = __452__

10. 500 + 70 + 9 = __579__

Write the expanded form of each number:

1. 192 = __100__ + __90__ + __2__

2. 265 = __200__ + __60__ + __5__

3. 347 = __300__ + __40__ + __7__

4. 442 = __400__ + __40__ + __2__

5. 564 = __500__ + __60__ + __4__

6. 136 = __100__ + __30__ + __6__

7. 249 = __200__ + __40__ + __9__

8. 319 = __300__ + __10__ + __9__

9. 483 = __400__ + __80__ + __3__

10. 512 = __500__ + __10__ + __2__

Numbers, Numbers Answer Key

Write the place value for each numeral on the chart.

	thousands	hundreds	tens	ones
1,754	1	7	5	4
2,698	2	6	9	8
4,761	4	7	6	1
7,240	7	2	4	0
5,379	5	3	7	9
3,105	3	1	0	5
6,982	6	9	8	2
9,012	9	0	1	2

Draw a line to match the number to the words.

2,328	5 thousands, 8 hundreds, 3 tens, and 4 ones
3,424	3 thousands, 5 hundreds, 1 ten, and 5 ones
5,834	2 thousands, 3 hundreds, 2 tens, and 8 ones
7,146	7 thousands, 1 hundred, 4 tens, and 6 ones
3,515	3 thousands, 4 hundreds, 2 tens, and 4 ones

Place Value: Number Fun!

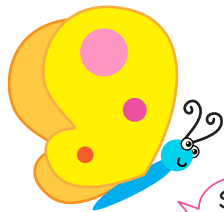Fill in the spaces below with the numbers in order from largest to smallest numbers.

672
276   627
726   762   267

762   726   672   627   276   267

5194   5149   4591
5491   9415   4159   9541

9541   9415   5491   5194   5149   4591   4159

8729
8297   7982   9827
7289

9827   8729   8297   7982   7289

14303
13403   10343
10433   14330
10344   13043

14330   14303   13403   13043   10433   10344   10343

Education.com
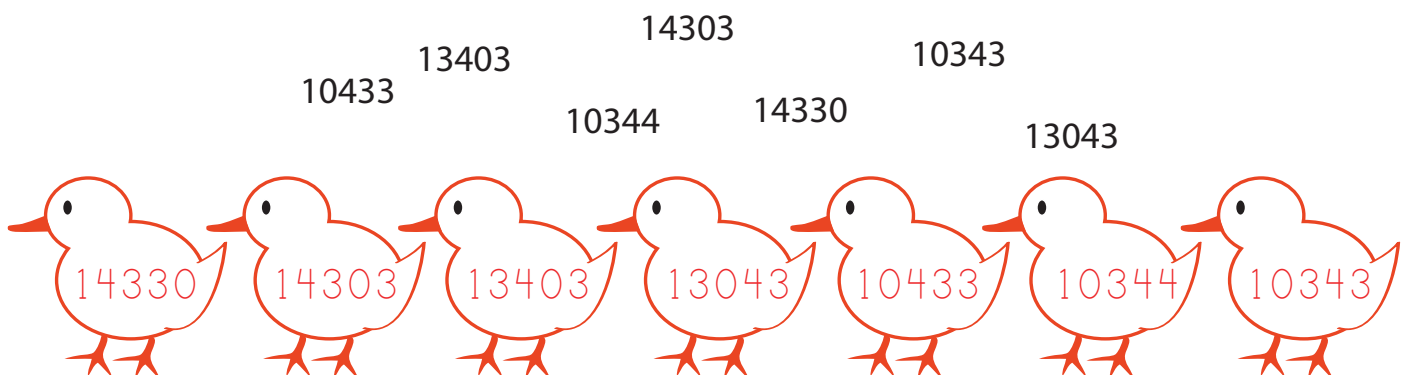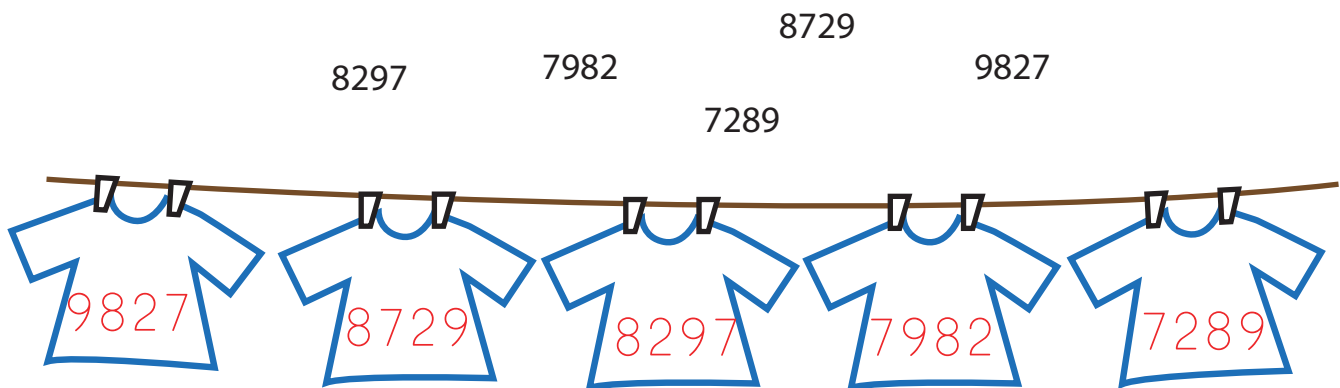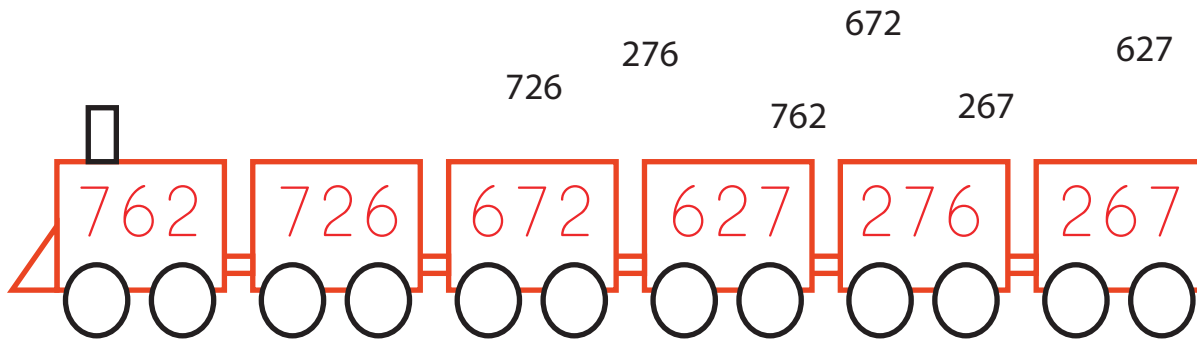
2nd Grade Math
Counting

Count from 150 to 200 by filling in the missing numbers inside the flowers below!

Start here!

150   151   152   153   154   155

156   157   158   159   160   161   162   163

164   165   166   167   168   169   170   171

172   173   174   175   176   177   178   179

180   181   182   183   184   185   186   187

188   189   190   191   192   193   194   195

196   197   198   199   200

Nice job!