Name _____

Enrichment
1-1

Changing Places

Look at the chart. Something has happened to the *place value* of each starting number. Write the part that is missing in each row. Use the sample to help you.

	Starting Number	Place Value Change	Ending Number
Sample:	1,426	2 tens *less*	1,406
1.	73,458	3 thousands *more*	
2.		5 ones *less*	496,350
3.	91,858		91,758
4.	8,537	6 tens *more*	
5.		4 hundred thousands *more*	754,311
6.	172,618		102,618
7.	342		9,342
8.		1 ten *less*	254,008
9.	121,021	11 tens *more*	
10.	594,637	1 ten thousand *more*	
11.		3 thousands *less*	723,432
12.	99,999		100,009

Name _____

Enrichment
1-1

Changing Places

Look at the chart. Something has happened to the *place value* of each starting number. Write the part that is missing in each row. Use the sample to help you.

	Starting Number	Place Value Change	Ending Number
Sample:	1,426	2 tens *less*	1,406
1.	73,458	3 thousands *more*	76,458
2.	496,355	5 ones *less*	496,350
3.	91,858	1 hundred *less*	91,758
4.	8,537	6 tens *more*	8,597
5.	354,311	4 hundred thousands *more*	754,311
6.	172,618	7 ten thousands *less*	102,618
7.	342	9 thousands *more*	9,342
8.	254,018	1 ten *less*	254,008
9.	121,021	11 tens *more*	121,131
10.	594,637	1 ten thousand *more*	604,637
11.	726,432	3 thousands *less*	723,432
12.	99,999	1 ten *more*	100,009

Name _____

Enrichment
1-2

Place-Value Relationships

In multi-digit numbers, when the same two digits are next to each other, the value of the digit at the left is ten times greater than the value of the digit at the right. For example:

$$99 = 90 + 9$$

$$9 \text{ ones} \times 10 = 90$$

When the same two digits are separated by one digit, the value of the digit at the left is one hundred times greater than the value of the digit at the right. For example:

$$909 = 900 + 9$$

$$9 \text{ ones} \times 100 = 900$$

When the same two digits are separated by two digits, the value of the digit at the left is one thousand times greater than the value of the digit at the right. For example:

$$9{,}009 = 9{,}000 + 9$$

$$9 \text{ ones} \times 1{,}000 = 9{,}000$$

Name the values of the given digits in each number. Then tell how many times greater the value of the digit at the left is than the value of the digit at the right.

1. the 3s in 330 _____ _____ How many times greater? _____
2. the 2s in 202 _____ _____ How many times greater? _____
3. the 6s in 6,600 _____ _____ How many times greater? _____
4. the 1s in 1,001 _____ _____ How many times greater? _____
5. the 8s in 8,485 _____ _____ How many times greater? _____
6. the 4s in 400,400 _____ _____ How many times greater? _____
7. the 4s in 346,754 _____ _____ How many times greater? _____
8. the 3s in 300,003 _____ _____ How many times greater? _____

Name _____

Enrichment
1-2

Place-Value Relationships

In multi-digit numbers, when the same two digits are next to each other, the value of the digit at the left is ten times greater than the value of the digit at the right. For example:

$$99 = 90 + 9$$

$$9 \text{ ones} \times 10 = 90$$

When the same two digits are separated by one digit, the value of the digit at the left is one hundred times greater than the value of the digit at the right. For example:

$$909 = 900 + 9$$

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When the same two digits are separated by two digits, the value of the digit at the left is one thousand times greater than the value of the digit at the right. For example:

$$9{,}009 = 9{,}000 + 9$$

$$9 \text{ ones} \times 1{,}000 = 9{,}000$$

Name the values of the given digits in each number. Then tell how many times greater the value of the digit at the left is than the value of the digit at the right.

1. the 3s in 330 300 30 — How many times greater? 10
2. the 2s in 202 200 2 — How many times greater? 100
3. the 6s in 6,600 6,000 600 — How many times greater? 10
4. the 1s in 1,001 1,000 1 — How many times greater? 1,000
5. the 8s in 8,485 8,000 80 — How many times greater? 100
6. the 4s in 400,400 400,000 400 — How many times greater? 1,000
7. the 4s in 346,754 40,000 4 — How many times greater? 10,000
8. the 3s in 300,003 300,000 3 — How many times greater? 100,000

Name _____

Enrichment
1-3

Follow the Leader

Find the path to the finish line. You can only travel to a greater number. You cannot move diagonally. Color the boxes as you find your way.

Start

1	0	3	17,642	7	1,543	3,839	1,848	4,699
17	35	34	183	1,572	2,600	3,847	3,849	4,722
6	56	15	205	206	1,955	842	3,763	7,026
31	89	37	207	444	701	83	10,303	8,103
62	103	112	150	305	697	98	11,001	8,100
17	59	97	3	9,621	14	19,423	15,211	12,964
12,043	703	84	12,652	30,654	19,342	19,464	1,643	1,673
1,334	945	3	7,003	632	948	21,190	23,023	25,901

Finish

Name _____

Enrichment
1-3

Follow the Leader

Find the path to the finish line. You can only travel to a greater number. You cannot move diagonally. Color the boxes as you find your way.

Start

1	0	3	17,642	7	1,543	3,839	1,848	4,699
17	35	34	183	1,572	2,600	3,847	3,849	4,722
6	56	15	205	206	1,955	842	3,763	7,026
31	89	37	207	444	701	83	10,303	8,103
62	103	112	150	305	697	98	11,001	8,100
17	59	97	3	9,621	14	19,423	15,211	12,964
12,043	703	84	12,652	30,654	19,342	19,464	1,643	1,673
1,334	945	3	7,003	632	948	21,190	23,023	25,901

Finish

Sample answer shown.

Name _____

Enrichment
1-4

Rounding Around

Use the clues to find each number. Circle your choice.

1. The number rounded to the nearest thousand is 5,000. The number is greater than 4,800. The number is less than 5,000.

5,009	4,670
5,900	4,900

2. The number rounded to the nearest thousand is 1,000. The number is less than 1,200. The sum of the digits is 4.

1,508	1,489
1,111	964

3. The number rounded to the nearest thousand is 20,000. The number is less than 20,100. The number is between 19,500 and 20,000.

19,055	20,080
20,399	19,671

4. The number rounded to the nearest ten is 48,500. The number has a 4 in the hundreds place. The ones digit is odd.

48,395	8,499
48,495	48,496

5. The number has 5 digits. The number rounded to the nearest ten thousand is 40,000. The number is odd.

36,456	37,022
137,220	36,943

6. The number rounded to the nearest hundred thousand is 400,000. The number is 100 times greater than 3,700.

3,800	400,100
370,000	401,111

7. The number rounded to the nearest hundred and to the nearest thousand is 845,000. The value of the digit in the hundred thousands place is 100,000 times as great as the value of the digit in the ones place.

844,378	844,978
844,987	844,975

Name _____

Enrichment
1-4

Rounding Around

Use the clues to find each number. Circle your choice.

1. The number rounded to the nearest thousand is 5,000. The number is greater than 4,800. The number is less than 5,000.

5,009	4,670
5,900	(4,900)

2. The number rounded to the nearest thousand is 1,000. The number is less than 1,200. The sum of the digits is 4.

1,508	1,489
(1,111)	964

3. The number rounded to the nearest thousand is 20,000. The number is less than 20,100. The number is between 19,500 and 20,000.

19,055	20,080
20,399	(19,671)

4. The number rounded to the nearest ten is 48,500. The number has a 4 in the hundreds place. The ones digit is odd.

48,395	8,499
(48,495)	48,496

5. The number has 5 digits. The number rounded to the nearest ten thousand is 40,000. The number is odd.

36,456	37,022
137,220	(36,943)

6. The number rounded to the nearest hundred thousand is 400,000. The number is 100 times greater than 3,700.

3,800	400,100
(370,000)	401,111

7. The number rounded to the nearest hundred and to the nearest thousand is 845,000. The value of the digit in the hundred thousands place is 100,000 times as great as the value of the digit in the ones place.

844,378	(844,978)
844,987	844,975

Name _____

Enrichment
1-5

Skipping with Numbers

Follow the directions to write each number.

1. Skip count 3 times by hundreds.

Skip count 2 times by tens.

There is a 9 in the ones place.

The number is _____.

2. There are 40 thousands.

There are 40 tens.

There are 3 ones.

The number is _____.

3. Skip count 5 times by ten thousand.

Skip count 8 times by hundreds.

Skip count by 8 tens.

The number is _____.

4. There are 60 ten thousand.

There are 20 thousands.

There are 9 tens.

There are 9 ones.

The number is _____.

5. Skip count 10 times by thousands.

There are 20 hundreds.

Skip count 8 by hundreds.

Skip count 3 by tens.

There are 6 ones.

The number is _____.

6. There are 3 hundred thousands.

There are 70 ten thousands.

The number is _____.

Name _____

Enrichment
1-5

Skipping with Numbers

Follow the directions to write each number.

1. Skip count 3 times by hundreds.

   Skip count 2 times by tens.

   There is a 9 in the ones place.

   The number is 329.

2. There are 40 thousands.

   There are 40 tens.

   There are 3 ones.

   The number is 40,403.

3. Skip count 5 times by ten thousand.

   Skip count 8 times by hundreds.

   Skip count by 8 tens.

   The number is 50,880.

4. There are 60 ten thousand.

   There are 20 thousands.

   There are 9 tens.

   There are 9 ones.

   The number is 620,099.

5. Skip count 10 times by thousands.

   There are 20 hundreds.

   Skip count 8 by hundreds.

   Skip count 3 by tens.

   There are 6 ones.

   The number is 12,836.

6. There are 3 hundred thousands.

   There are 70 ten thousands.

   The number is 1,000,000.