Group Tens as Hundreds

There are 10 ones in this stack. There are 10 stacks.

10 stacks of 10 ones is 100 ones.

10 tens → 1 hundred → 100

Write how many tens. Circle groups of 10 tens. Write how many hundreds. Write the number.

1. __________ tens
   __________ hundreds
   __________ blocks

2. __________ tens
   __________ hundreds
   __________ blocks
Explore 3-Digit Numbers

Circle tens to make 1 hundred. Write the number in different ways.

1. 

2.

Circle tens to make 1 hundred. Write the number in different ways.

1. 

2.
Model 3-Digit Numbers

Show 243.

With blocks:

In a chart:

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

With a quick picture:

Write how many hundreds, tens, and ones. Show with □□□. Then draw a quick picture.

1. 138

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. 217

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. 352

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. 174

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Hundreds, Tens, and Ones

How many are there in all?

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3 hundreds 2 tens 5 ones

Write how many in the chart.

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

Write the number as hundreds plus tens plus ones.

\[300 + 20 + 5\]

3 hundreds 2 tens 5 ones is the same as 325.

Write how many hundreds, tens, and ones are in the model. Write the number in two ways.

1.  
<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   ____ + ____ + ____

2.  
<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   ____ + ____ + ____
Place Value to 1,000

The value of each digit in 426 is shown by its place in the number.

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

Circle the value or the meaning of the underlined digit.

1. **782**
   - 800
   - 80
   - 8

2. **352**
   - 3 hundreds
   - 3 tens
   - 3 ones

3. **742**
   - 4
   - 40
   - 400

4. **419**
   - 9 hundreds
   - 9 tens
   - 9 ones

5. **584**
   - 500
   - 50
   - 5
Number Names

You can write a number using words.

What is shown with the hundreds blocks? __________
What is shown with the tens and ones blocks? __________

So you write 257 as ________

Write the number using words.

1. 163

2. 427

Write the number.

3. two hundred nine

4. five hundred seventy-nine
Different Forms of Numbers

There is more than one way to show and write a number.

three hundred sixty-two

3 hundreds 6 tens 2 ones

300 + 60 + 2

362

Read the number and draw a quick picture. Then write the number in different ways.

1. four hundred thirty-two

   _____ hundreds _____ tens _____ ones

   _____ + _____ + _____

2. two hundred seventy-five

   _____ hundreds _____ tens _____ ones

   _____ + _____ + _____
These two models can both be used to show the number 124.

1 ten has the same value as 10 ones.

Write how many hundreds, tens, and ones are in the model.

1. 132

<table>
<thead>
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<th>Ones</th>
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</thead>
<tbody>
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<td></td>
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<tr>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

2. 246

<table>
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<th>Ones</th>
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<tbody>
<tr>
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</tbody>
</table>
Count On and Count Back by 10 and 100

### 10 less than 234
- 2 hundreds 2 tens 4 ones
- **224**

### 100 less than 234
- 1 hundred 3 tens 4 ones
- **134**

### 10 more than 234
- 2 hundreds 4 tens 4 ones
- **244**

### 100 more than 234
- 3 hundreds 3 tens 4 ones
- **334**

#### Write the number.

1. 10 more than 719
   - **819**

2. 10 less than 246
   - **236**

3. 100 more than 291
   - **391**

4. 100 less than 687
   - **587**

5. 10 less than 568
   - **558**

6. 100 more than 649
   - **749**
Algebra • Number Patterns

Find a counting pattern.

421, 431, 441, 451, __, __

Which digit changes from number to number?

The __tens__ digit changes.

How does it change?

by __one__ each time

Look at the chart. Find the next two numbers in the pattern.

The next two numbers are 461 and 471.

Look at the digits to find the next two numbers.

1. 937, 947, 957, 967, __, __

   The next two numbers are ______ and ______.

2. 135, 235, 335, 435, __, __

   The next two numbers are ______ and ______.
Problem Solving • Compare Numbers

At the zoo, there are 137 birds and 142 reptiles. Are there more birds or more reptiles at the zoo?

Unlock the Problem

What do I need to find?
I need to find if there are more ______ birds or ______ reptiles.

What information do I need to use?
There are ______ birds.
There are ______ reptiles.

Show how to solve the problem.

Birds

Reptiles

The number of hundreds is the same.
There are more tens in the number of reptiles.
There are more ______ reptiles at the zoo.

Draw quick pictures to model the numbers.

1. There are 153 birds and 149 fish at the nature center. Are there more birds or more fish?

There are more ____________________________ .
Algebra • Compare Numbers

To compare 3-digit numbers, first compare hundreds.

212 has more hundreds than 112.

212 > 112

If hundreds are equal, then compare tens.

212 has fewer tens than 221.

212 < 221

If hundreds and tens are equal, then compare ones.

212 = 212

Compare the numbers. Write >, <, or =.

1. 317 □ 326

2. 582 □ 634