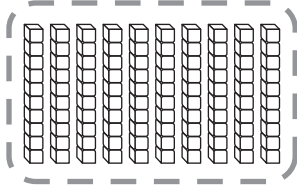


Name _____

Group Tens as Hundreds



There are 10 ones in this stack.



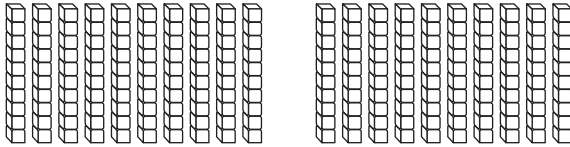
There are 10 stacks.

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.

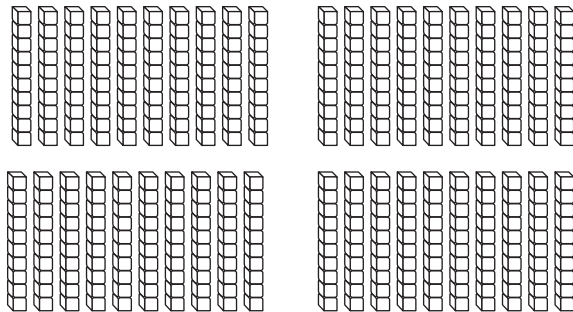


_____ tens

_____ hundreds

_____ blocks

2.



_____ tens

_____ hundreds

_____ blocks

Name _____

Tens and Hundreds Mystery

Read each problem.

Draw a quick picture to solve.

1. Each box holds 10 cartons of milk.
There are 300 cartons of milk.
How many boxes are there?

_____ boxes

2. There are 10 stripes on each button.
There are 50 buttons.
How many stripes are on 50 buttons?

_____ stripes

3. Fish are swimming in groups of 10.
There are 200 fish.
How many groups are there?

_____ groups

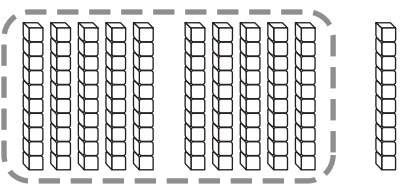
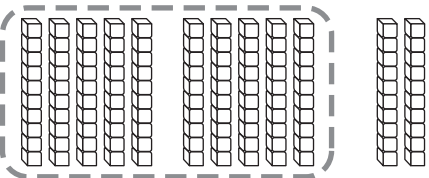
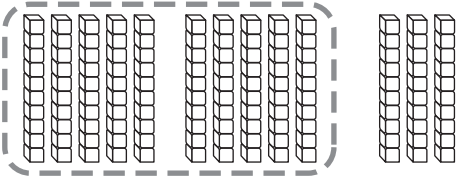


Writing and Reasoning Tim wants to collect 400 stickers.

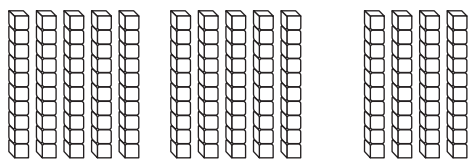
If he makes pages of 10, how will he know when he has 400 stickers?

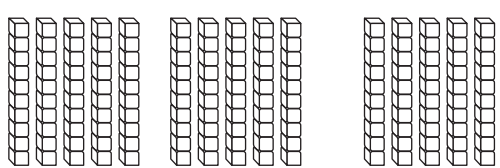
Name _____

Explore 3-Digit Numbers

<p style="text-align: center;">10 tens</p> 	$\begin{array}{r} \underline{11} \text{ tens} \\ \underline{1} \text{ hundred } \underline{1} \text{ ten} \\ 110 \end{array}$
<p style="text-align: center;">10 tens</p> 	$\begin{array}{r} \underline{12} \text{ tens} \\ \underline{1} \text{ hundred } \underline{2} \text{ tens} \\ 120 \end{array}$
<p style="text-align: center;">10 tens</p> 	$\begin{array}{r} \underline{13} \text{ tens} \\ \underline{1} \text{ hundred } \underline{3} \text{ tens} \\ 130 \end{array}$

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

1.  _____ tens
 _____ hundred _____ tens

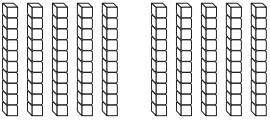
2.  _____ tens
 _____ hundred _____ tens

Name _____

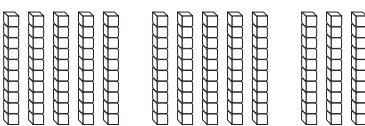
Which One Does Not Belong?

Cross out the one that does not have the same value.

1. 1 hundred

10 tens		10 ones
---------	---	---------

2. 1 hundred 3 tens

13 tens	13 hundreds	
---------	-------------	--

3. 1 hundred 4 tens

	14 tens	
---	---------	---

4. 1 hundred 2 tens

	21 tens	12 tens
---	---------	---------



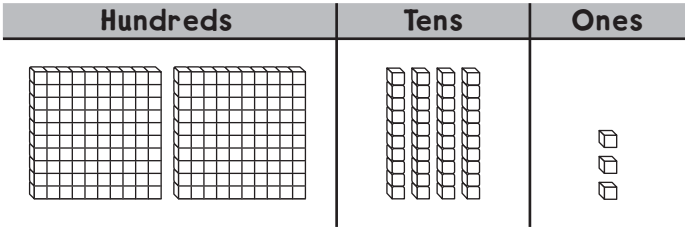
Writing and Reasoning Explain why 17 tens and 1 hundred 7 tens have the same value.

Name _____

Model 3-Digit Numbers

Show 243.


With blocks:



In a chart:

Hundreds	Tens	Ones
2	4	3

With a quick picture:



Write how many hundreds, tens, and ones.

Show with . Then draw a quick picture.

1. 138

Hundreds	Tens	Ones

2. 217

Hundreds	Tens	Ones

3. 352

Hundreds	Tens	Ones

4. 174

Hundreds	Tens	Ones

Name _____

Missing Pictures

Each quick picture needs to be finished.
Draw the missing hundreds, tens, and ones.

1. 354



2. 253



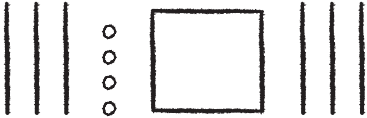
3. 216



4. 314



5. 264



6. 284

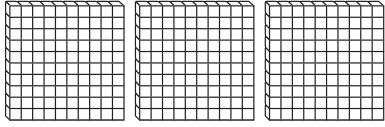




Writing and Reasoning How did you decide what to draw for Exercise 6?

Name _____

Hundreds, Tens, and Ones

How many are there in all?

Hundreds			Tens	Ones
				

3 hundreds 2 tens 5 ones

Write how many in the chart.

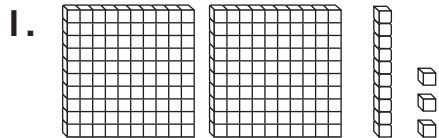
Hundreds	Tens	Ones
3	2	5

Write the number as hundreds plus tens plus ones.

$$\underline{300} + \underline{20} + \underline{5}$$

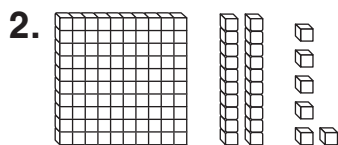
3 hundreds 2 tens 5 ones is the same as 325.

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



Hundreds	Tens	Ones

_____ + _____ + _____



Hundreds	Tens	Ones

_____ + _____ + _____

Name _____

Find the Number

Read the clue. Find the number.

1. A number is 4 hundreds more than 142. What is the number?

2. A number is 2 hundreds more than 355. What is the number?

3. A number is 3 tens more than 249. What is the number?

4. A number is 7 tens more than 624. What is the number?

5. A number is 8 ones more than 331. What is the number?

6. A number is 4 hundreds more than 399. What is the number?

7. A number is 2 tens more than 923. What is the number?

8. A number is 6 ones more than 772. What is the number?

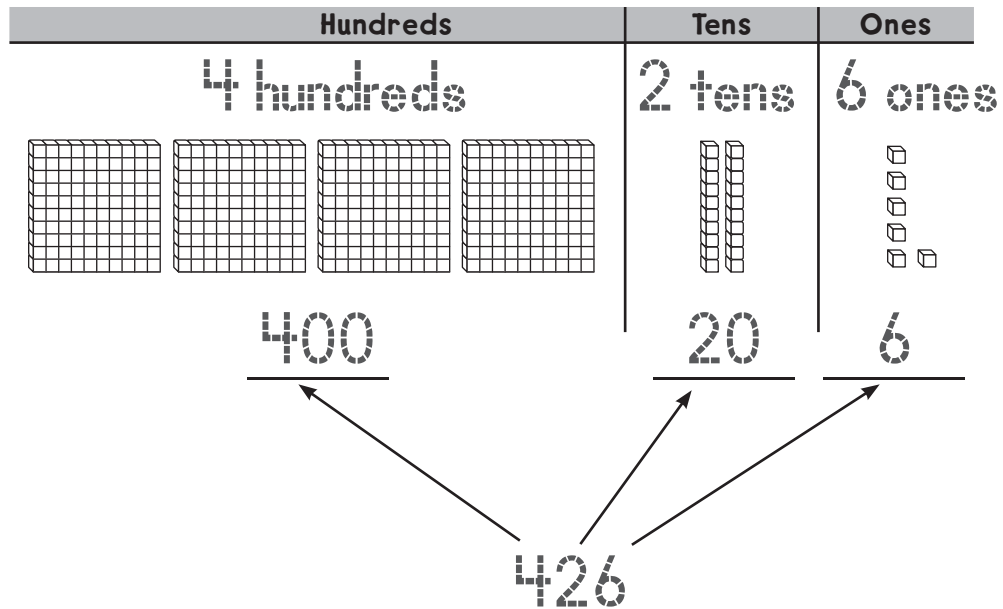


Writing and Reasoning How did you find the answer to Exercise 8?

Name _____

Place Value to 1,000

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



Circle the value or the meaning of the underlined digit.

1. <u>7</u> 82	800	80	8
2. <u>3</u> 52	3 hundreds	3 tens	3 ones
3. 7 <u>4</u> 2	4	40	400
4. 4 <u>1</u> 9	9 hundreds	9 tens	9 ones
5. <u>5</u> 84	500	50	5

Name _____

Value Clues

Use the digits 8, 7, and 3 to make a 3-digit number. Use all three digits. Read the clues and write the number.

1.

Clues:

The value of the digit 8 in this number is 80.

The value of the digit 7 in this number is not 7.

The number is _____.

2.

Clues:

The value of the digit 8 in this number is 800.

The value of the digit 7 in this number is not 70.

The number is _____.

3.

Clues:

The value of the digit 8 in this number is 8.

The value of the digit 7 in this number is not 700.

The number is _____.

4.

Clues:

The value of the digit 7 in this number is 70.

The value of the digit 3 in this number is not 300.

The number is _____.

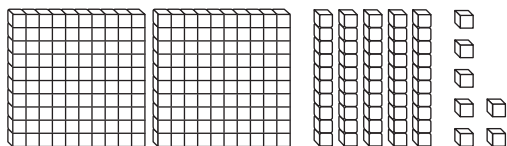


Writing and Reasoning Write a different 3-digit number. Then write clues for your number.

Name _____

Number Names

You can write a number using words.



What is shown with the hundreds blocks?

two hundred

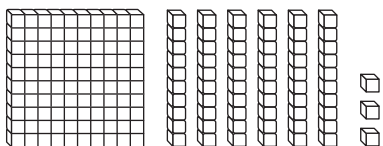
What is shown with the tens and ones blocks?

fifty-seven

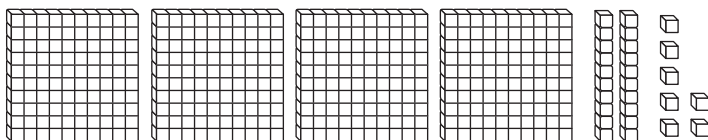
So you write 257 as two hundred fifty-seven.

Write the number using words.

1. 163



2. 427



Write the number.

3. two hundred nine

4. five hundred seventy-nine

Name _____

Another Way to Write It

Write each number two different ways.

1. 5 hundreds 6 tens 3 ones

2. 109

3. $900 + 20 + 3$

4. 3 hundreds 7 tens



Writing and Reasoning Write a 3-digit number.

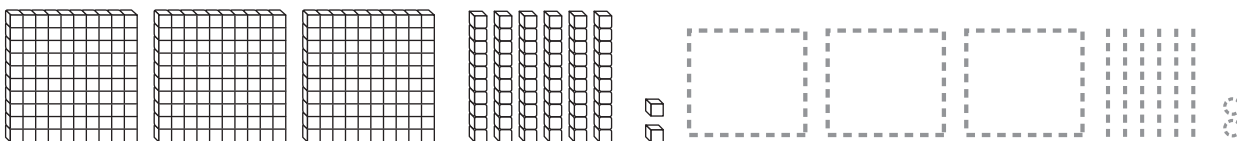
Then write the number two different ways.

Name _____

Different Forms of Numbers

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

three hundred sixty-two



$$\begin{array}{r}
 \underline{3} \text{ hundreds} \quad \underline{6} \text{ tens} \quad \underline{2} \text{ ones} \\
 \underline{300} + \underline{60} + \underline{2} \\
 \underline{362}
 \end{array}$$

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

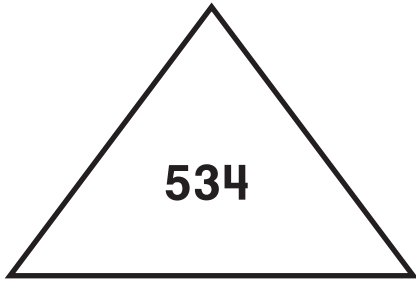
_____ + _____ + _____

Name _____

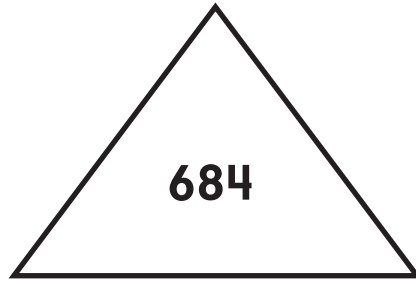
Say It Another Way

Write the number in two different ways.

1.



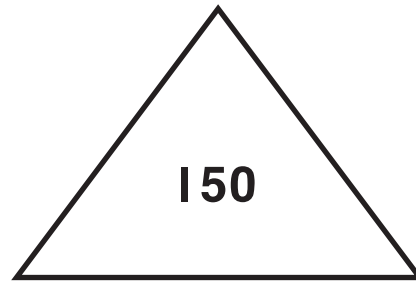
2.



3.



4.





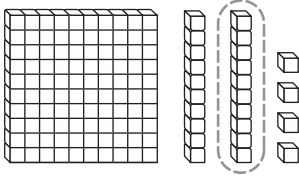
Writing and Reasoning Look at Exercise 2.

What is a third way to write the number 684?

Name _____

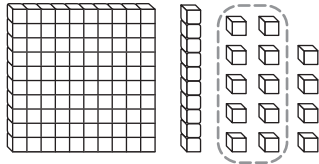
Algebra • Different Ways to Show Numbers

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



Hundreds	Tens	Ones
1	2	4

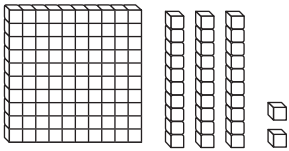
1 ten has the same value as 10 ones.



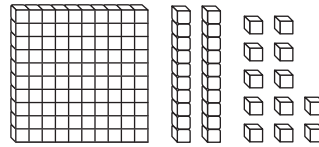
Hundreds	Tens	Ones
1	1	14

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

1. 132

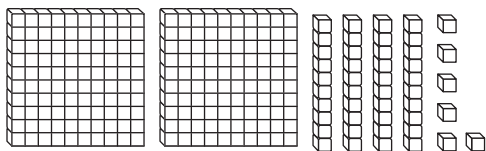


Hundreds	Tens	Ones

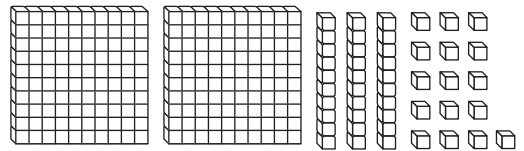


Hundreds	Tens	Ones

2. 246



Hundreds	Tens	Ones



Hundreds	Tens	Ones

Name _____

Cross-Number Puzzle

Use each clue to write a 3-digit number.

Put one digit in each square to complete the puzzle.

1		2		3		4
5						
			6		8	
	7					

Across

1. 3 hundreds 6 tens 19 ones
3. 1 hundred 25 tens 1 one
5. 2 hundreds 4 tens 13 ones
7. 6 hundreds 7 tens 20 ones

Down

2. 8 hundreds 12 tens 3 ones
4. 17 tens 6 ones
6. 4 hundreds 2 tens 10 ones
8. 3 hundreds 12 tens 3 ones

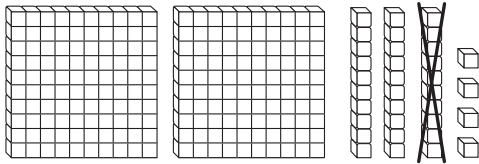


Writing and Reasoning Choose one of the puzzle clues. Write two other ways to show this number using hundreds, tens, and ones.

Name _____

Count On and Count Back by 10 and 100

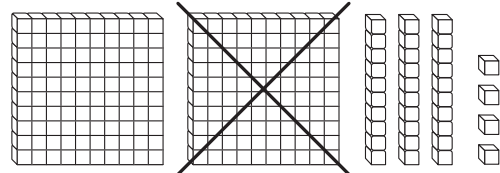
10 less than 234



2 hundreds 2 tens 4 ones

224

100 less than 234

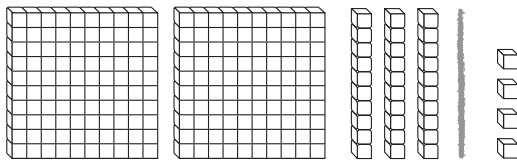


1 hundred 3 tens 4 ones

134

Notice what digit
changes.

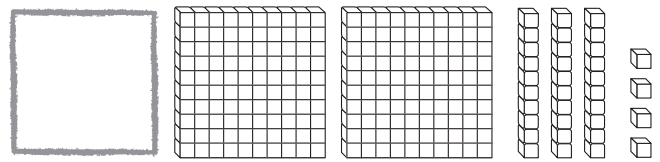
10 more than 234



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

2. 10 less than 246

3. 100 more than 291

4. 100 less than 687

5. 10 less than 568

6. 100 more than 649

Name _____

Missing Numbers

Write the missing number to make the sentence true.

1. _____ is 10 less than 214.
2. _____ is 100 less than 900.
3. 603 is 10 more than _____.
4. 888 is _____ more than 788.
5. 870 is _____ more than 860.
6. _____ is 100 less than 882.
7. 129 is _____ more than 29.
8. 333 is _____ less than 433.



Writing and Reasoning Explain how you found the missing number in Exercise 1.

Name _____

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.

401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500

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 _____.

Name _____

Find the Number Pattern

Help the squirrel find a path to the tree. Connect acorns that show a pattern of counting on by 10s.



157, 222, 322, 214, 200, 422, 622, 153, 224, 101, 412, 143, 153, 522, 183, 244, 234, 722, 193, 254, 274, 284, 222, 199, 133, 264, 294, 506, 220, 275, 351, 281, 304, 453, 314



Writing and Reasoning Describe how you found the first few numbers in the pattern.



Name _____

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

<p>What do I need to find?</p> <p>I need to find if there are more <u>birds</u> or <u>reptiles</u>.</p>	<p>What information do I need to use?</p> <p>There are <u>137</u> birds.</p> <p>There are <u>142</u> reptiles.</p>
<p>Show how to solve the problem.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Birds</p>  </div> <div style="text-align: center;"> <p>Reptiles</p>  </div> </div> <p>The number of hundreds is the same. There are more tens in the number of reptiles.</p> <p>There are more <u>reptiles</u> at the zoo.</p>	

Draw quick pictures to model the numbers.

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

There are more _____.

Name _____

Find the Greater Number

1. Use the digits 4, 2, 7, 3, 0, and 5 to write two 3-digit numbers.

2. Write a word problem in which you compare these numbers.

3. Draw quick pictures to show the solution.

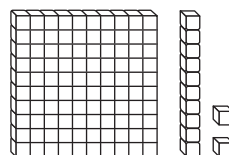
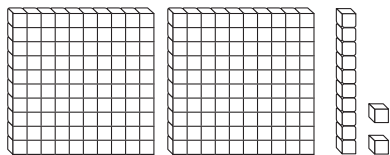


Writing and Reasoning Explain how you used the quick pictures to solve your problem.

Name _____

Algebra • Compare Numbers

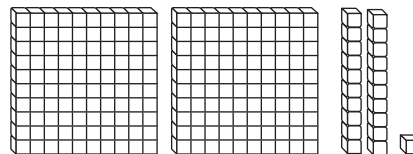
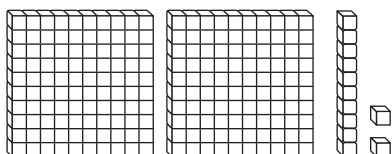
To compare 3-digit numbers, first compare hundreds.



212 has more hundreds than 112.

$$212 > 112$$

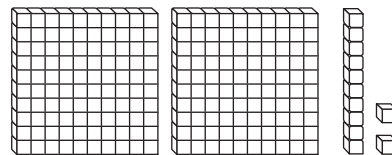
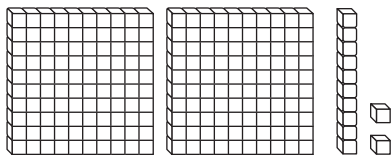
If hundreds are equal, then compare tens.



212 has fewer tens than 221.

$$212 < 221$$

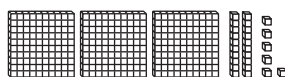
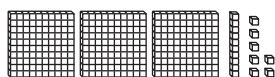
If hundreds and tens are equal, then compare ones.



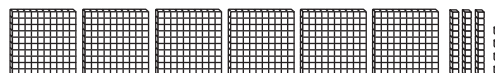
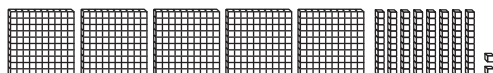
$$212 = 212$$

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

1. 317 ○ 326



2. 582 ○ 634



Name _____

True Comparing

Write two 3-digit numbers to compare. Use the digits 0, 1, 2, 3, 4, and 5 *only once* in each case. One true comparison is done for you.

1. $240 > 135$

2. _____ $<$ _____

3. _____ $>$ _____

4. _____ $>$ _____

5. _____ $<$ _____

6. _____ $<$ _____

7. _____ $>$ _____

8. _____ $<$ _____



Writing and Reasoning Suppose you can only use the digits 6 and 7 to make 3-digit numbers. You can repeat the digits. Can you make true comparisons using $=$, $<$, and $>$? Explain.
