

What's the number?

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.

This means that students should eliminate the 0 in the hundreds place. Otherwise, the number would only be a 2-digit number.

What's the number?

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.
2. The number is odd.

This means that students should eliminate the even digits in the ones or units place.

What's the number?

	<hr/>	<hr/>	<hr/>
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

1. It is a 3-digit number.
2. The number is odd.
3. The number is less than 800.

This means that students should eliminate the 8 and 9 in the hundreds place.

What's the number?

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.
2. The number is odd.
3. The number is less than 800.
4. The tens digit is an even number.

This means that students should eliminate the odd digits in the tens place.

What's the number?

7

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.
2. The number is odd.
3. The number is less than 800.
4. The tens digit is an even number.
5. The number is greater than 700.

This means that students should eliminate the digits 1-6 in the hundreds place.

NOTE: Now students know that the 7 is the only possibility for the hundreds digit. Circle the 7 and place 7 in the hundreds place on the lines above the number table.

What's the number?

7		9
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.
2. The number is odd.
3. The number is less than 800.
4. The tens digit is an even number.
5. The number is greater than 700.
6. The ones digit is greater than the hundreds digit.

This means that students should eliminate the digits 1, 3, 5 and 7 in the ones place.

NOTE: Now students know that 9 is the only possibility for the ones digit. Circle 9 and write it on the line above the ones place.

What's the number?

7	0	9
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.
2. The number is odd.
3. The number is less than 800.
4. The tens digit is an even number.
5. The number is greater than 700.
6. The ones digit is greater than the hundreds digit.
7. The number is less than 720.

This means that students should eliminate the digits 2, 4, 6 and 8 in the tens place.

NOTE: Now students know that 0 is the only possibility for the tens digit. Circle 0 and write it on the line above the tens place.

What's the number? CHECK YOUR WORK!!

7	0	9
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. It is a 3-digit number.
2. The number is odd.
3. The number is less than 800.
4. The tens digit is an even number.
5. The number is greater than 700.
6. The ones digit is greater than the hundreds digit.
7. The number is less than 720.



NOTE: Tell students that the last step is to check their answer. Read each clue and ask students to show thumbs up if their answer fits the clue or thumbs down, if it doesn't fit the clue. NOTE: All thumbs up means the student has the correct answer. If the student gets a thumbs down, he/she should recheck their work starting with that clue.