



# Place Value Riddle Challenge Cards



## Place Value Riddle Challenge Cards

1

I use three ten-frames to make a two-digit number.

This number has more than 1 ten.

This number has less than 3 ones.

What could my number be?

Can you explain how you found all the possible answers?

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## Place Value Riddle Challenge Cards

2

I look at a hundred square and choose a two-digit number.

This number has 7 tens.

This number has less than 6 ones.

What could my number be?

Can you explain how you found all the possible answers?

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## Place Value Riddle Challenge Cards

3

I use base ten to make a two-digit number.

This number is greater than 43.

This number is less than 51.

What could my number be?

Can you explain how you found all the possible answers?

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Place Value Riddle Challenge Cards

4

I use base ten to make a two-digit number.  
This number has more than 3 tens but fewer than 8 tens.

This number has 4 ones.  
What could my number be?

Can you explain how you found all the possible answers?

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Place Value Riddle Challenge Cards

5

I use four ten-frames to make a two-digit number.  
This number is greater than 25.

This number is less than 32.  
What could my number be?

Can you explain how you found all the possible answers?

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6

I look at a number line and choose a two-digit number.

This number has 2 tens.  
This number has more than 3 ones.  
What could my number be?

Can you explain how you found all the possible answers?

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Place Value Riddle Challenge Cards

7

I use base ten to make a two-digit number.  
This number is greater than 39.

This number is less than 47.  
What could my number be?

Can you explain how you found all the possible answers?

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8

I choose the following digit cards:



What is the greatest two-digit number I could make?

What is the smallest two-digit number I could make?

Explain your reasoning.

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9

I use base ten to make a two-digit number.

This number has 8 tens.

This number has more than 6 ones.

What could my number be?

Can you explain how you found all the possible answers?

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10

I look at a hundred square and choose a two-digit number.

This number has less than 5 tens.

This number has more than 5 ones.

What could my number be?

Can you explain how you found all the possible answers?

Place Value Riddle Challenge Cards

11

I choose the following digit cards:



I make a two-digit number that is greater than 23 but less than 39.

What could my number be?

# Place Value Riddle Challenge Cards **Answers**

1. 20, 21, 22, 30, 31, 32
2. 70, 71, 72, 73, 74, 75
3. 44, 45, 46, 47, 48, 49, 50
4. 44, 54, 64, 74
5. 26, 27, 28, 29, 30, 31
6. 24, 25, 26, 27, 28, 29
7. 40, 41, 42, 43, 44, 45, 46
8. Greatest = 64, Smallest = 14
9. 87, 88, 89
10. 16, 17, 18, 19, 26, 27, 28, 29, 36, 37, 38, 39, 46, 47, 48, 49
11. 29 or 32