



# I'm Thinking of a Number

## Challenge Cards



1.

**I start with a number.**

I multiply it by 7.

I add 5.

I multiply it by 5.

I subtract 6.

I end with the number 369.

**What number did I start with?**



2.

**I start with a number.**

I multiply it by 6.

I add 9.

I multiply it by 10.

I subtract 15.

I end with the number 495.

**What number did I start with?**



3.

**I start with a number.**

I multiply it by 8.

I add 4.

I multiply it by 5.

I subtract 9.

I end with the number 211.

**What number did I start with?**

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**I start with a number.**

**4.**

I multiply it by 9.

I subtract 6.

I divide it by 5.

I add 25.

I end with the number 40.

**What number did I start with?**

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**I start with a number.**

**6.**

I divide it by 5.

I add 10.

I multiply it by 5.

I subtract 15.

I end with the number 135.

**What number did I start with?**

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**5.**

**I start with a number.**

I divide it by 3.

I add 5.

I multiply it by 9.

I subtract 32.

I end with the number 94.

**What number did I start with?**

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**7.**

I divide it by 2.

I subtract 10.

I multiply it by 8.

I add 51.

I end with the number 355.

**What number did I start with?**

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**I start with a number.**

**6.**

I divide it by 2.

I subtract 10.

I multiply it by 8.

I add 51.

I end with the number 355.

**What number did I start with?**

8.

**I start with a number.**

I divide it by 10.

I add 28.

I multiply it by 4.

I subtract 10.

I end with the number 430.

**What number did I start with?**

9.

**I start with a number.**

I subtract 20.

I multiply it by 4.

I divide it by 10.

I add 120.

I end with the number 138.

**What number did I start with?**

10.

**I start with a number.**

I subtract 30.

I multiply it by 3.

I divide it by 6.

I add 150.

I end with the number 205.

**What number did I start with?**

11.

**I start with a number.**

I add 26.

I divide it by 2.

I multiply it by 5.

I subtract 30.

I end with the number 660.

**What number did I start with?**

# I'm Thinking of a Number Answers

1. I start with a number.  
I multiply it by 7.  
I add 5.  
I multiply it by 5.  
I subtract 6.  
I end with the number 369.  
What number did I start with? **10**
2. I start with a number.  
I multiply it by 8.  
I add 4.  
I multiply it by 5.  
I subtract 9.  
I end with the number 211.  
What number did I start with? **5**
3. I start with a number.  
I multiply it by 6.  
I add 9.  
I multiply it by 10.  
I subtract 15.  
I end with the number 495.  
What number did I start with? **7**
4. I start with a number.  
I multiply it by 9.  
I subtract 6.  
I divide it by 5.  
I add 25.  
I end with the number 40.  
What number did I start with? **9**
5. I start with a number.  
I divide it by 3.  
I add 5.  
I multiply it by 9.  
I subtract 32.  
I end with the number 94.  
What number did I start with? **27**
6. I start with a number.  
I divide it by 5.  
I add 10.  
I multiply it by 5.  
I subtract 15.  
I end with the number 135.  
What number did I start with? **100**
7. I start with a number.  
I divide it by 2.  
I subtract 10.  
I multiply it by 8.  
I add 51.  
I end with the number 355.  
What number did I start with? **96**
8. I start with a number.  
I divide it by 10.  
I add 28.  
I multiply it by 4.  
I subtract 10.  
I end with the number 430.  
What number did I start with? **820**
9. I start with a number.  
I subtract 20.  
I multiply it by 4.  
I divide it by 10.  
I add 120.  
I end with the number 138.  
What number did I start with? **65**
10. I start with a number.  
I subtract 30.  
I multiply it by 3.  
I divide it by 6.  
I add 150.  
I end with the number 205.  
What number did I start with? **140**
11. I start with a number.  
I add 26.  
I divide it by 2.  
I multiply it by 5.  
I subtract 30.  
I end with the number 660.  
What number did I start with? **250**

