

# I'm Thinking of a Number

## a Number

Challenge Cards



twinkl



I'm Thinking of a Number



1.

**I start with a number.**

I multiply it by 7.

I add 5.

I multiply it by 5.

I end with the number 200.

**What number did I start with?**

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2.

**I start with a number.**

I multiply it by 8.

I add 4.

I multiply it by 7.

I end with the number 420.

**What number did I start with?**

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3.

**I start with a number.**

I multiply it by 6.

I add 9.

I multiply it by 10.

I end with the number 690.

**What number did I start with?**

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**4.**

**I start with a number.**

I multiply it by 9.

I subtract 6.

I divide it by 6.

I end with the number 11.

**What number did I start with?**

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**5.**

**I start with a number.**

I divide it by 6.

I add 5.

I multiply it by 9.

I end with the number 90.

**What number did I start with?**

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**6.**

**I start with a number.**

I divide it by 5.

I add 10.

I multiply it by 5.

I end with the number 125.

**What number did I start with?**

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**7.**

**I start with a number.**

I divide it by 4.

I subtract 10.

I multiply it by 8.

I end with the number 160.

**What number did I start with?**

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**8.**

**I start with a number.**

I divide it by 10.

I add 28.

I multiply it by 4.

I end with the number 140.

**What number did I start with?**

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**9.**

**I start with a number.**

I subtract 20.

I multiply it by 4.

I divide it by 10.

I end with the number 10.

**What number did I start with?**

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**10.**

**I start with a number.**

I subtract 30.

I multiply it by 3.

I divide it by 2.

I end with the number 78.

**What number did I start with?**

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**11.**

**I start with a number.**

I add 26.

I divide it by 2.

I multiply it by 5.

I end with the number 225.

**What number did I start with?**

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# 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 end with the number 200.  
What number did I start with? **5**
2. I start with a number.  
I multiply it by 8.  
I add 4.  
I multiply it by 7.  
I end with the number 420.  
What number did I start with? **7**
3. I start with a number.  
I multiply it by 6.  
I add 9.  
I multiply it by 10.  
I end with the number 690.  
What number did I start with? **10**
4. I start with a number.  
I multiply it by 9.  
I subtract 6.  
I divide it by 6.  
I end with the number 11.  
What number did I start with? **8**
5. I start with a number.  
I divide it by 6.  
I add 5.  
I multiply it by 9.  
I end with the number 90.  
What number did I start with? **30**
6. I start with a number.  
I divide it by 5.  
I add 10.  
I multiply it by 5.  
I end with the number 125.  
What number did I start with? **75**
7. I start with a number.  
I divide it by 4.  
I subtract 10.  
I multiply it by 8.  
I end with the number 160.  
What number did I start with? **120**
8. I start with a number.  
I divide it by 10.  
I add 28.  
I multiply it by 4.  
I end with the number 140.  
What number did I start with? **70**
9. I start with a number.  
I subtract 20.  
I multiply it by 4.  
I divide it by 10.  
I end with the number 10.  
What number did I start with? **45**
10. I start with a number.  
I subtract 30.  
I multiply it by 3.  
I divide it by 2.  
I end with the number 78.  
What number did I start with? **82**
11. I start with a number.  
I add 26.  
I divide it by 2.  
I multiply it by 5.  
I end with the number 225.  
What number did I start with? **64**