

I'm Thinking of a Number

Challenge Cards



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?

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**