

I'm Thinking of 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 subtract 6.

I end with the number 369.

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 5.

I subtract 9.

I end with the number 211.

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 subtract 15.

I end with the number 495.

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 5.

I add 25.

I end with the number 40.

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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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?

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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?

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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?

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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?

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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?

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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?

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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 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**