The Nines Trick

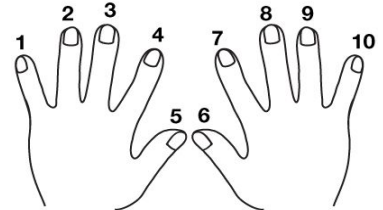**Multiply any number by nine using this trick. Here's how....**
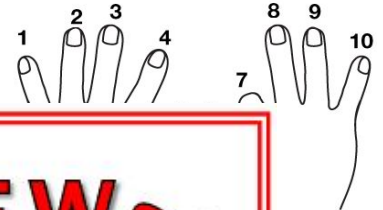
Let's say you wanted to multiply 9 x 7.

Step 1:   **Hold up all 10 of your fingers.**

Imagine they're numbered 1 through 10, as you see in the picture.

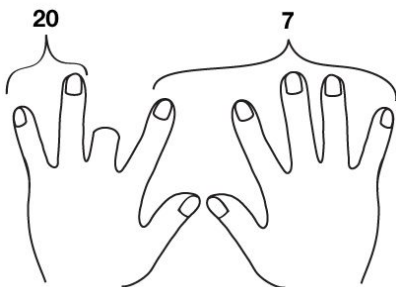**Step 2:**   Since you're multiplying 9 x 7, you fold

Ste

of the folded finger (3).

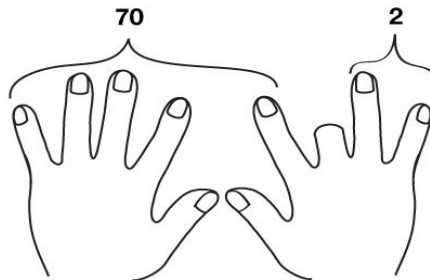**Your answer is 63.**

9 x 7 = 63

Remember: Whatever number you want to multiply by nine, that's the finger you fold down.

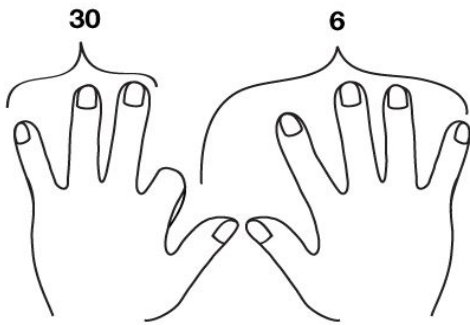**If you wanted to multiply 9 x 3, your fingers would look like this:**

20   7

9 x 3 = 27

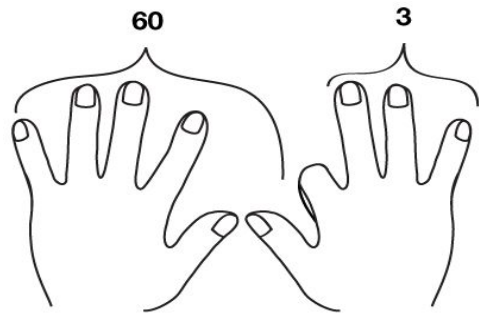**If you wanted to multiply 9 x 8, your fingers would look like this:**

70   2

9 x 8 = 72

The Nines Trick

Tell which multiplication fact is shown by the fingers in these pictures. Write the multiplication fact and the answer.

30   6   60   3

_____ x _____ = _____   _____ x _____ = _____

Use th

~PREVIEW~

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9 x 9 = _____   **9 x 2 = _____**

4 x 9 = _____   **9 x 7 = _____**

Can you use the nines trick to solve 6 x 7? Explain.

_____

_____

Can you use the nines trick to solve 12 x 9? Explain.

_____

_____

Another Nines Trick

Step 1: Make a column of numbers on your paper from 0 through 9.

0
1
2
3
4
5
6
7
8
9

Step 2: Next to your column, you're going to make another column of numbers.

0 **9**
1 **8**

~PREVIEW~

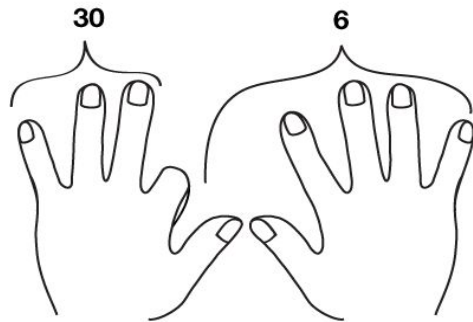Please log in or register to download the printable version of this worksheet.

9 **0**

Step 3: You've just written all the answers to your nines times tables. Write the facts next to the numbers.

0 9 = 9 x 1
1 8 = 9 x 2
2 7 = 9 x 3
3 6 = 9 x 4
4 5 = 9 x 5
5 4 = 9 x 6
6 3 = 9 x 7
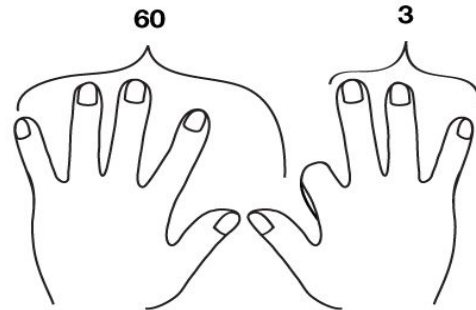7 2 = 9 x 8
8 1 = 9 x 9
9 0 = 9 x 10

The Nines Trick

Tell which multiplication fact is shown by the fingers in these pictures. Write the multiplication fact and the answer.

30   6   60   3

9 x 4 = 36   **9 x 7 = 63**

~PREVIEW~

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