

Multiply with 9

You can use patterns to find 9s facts.

- The tens digit is one less than the number being multiplied with 9.



$$8 \times 9 = 72$$

- The sum of the digits in the product is 9.

$$7 + 2 = 9.$$

Find the product: $6 \times 9 = \underline{\hspace{2cm}}$.

You know that the tens digit in the product will be one less than 6.

$$\underline{\hspace{1cm}} = 9 \times 6.$$

You know that the sum of the digits in the product will be 9.

What number plus 5 equals 9? $\underline{\hspace{1cm}} + 5 = 9.$

So, $6 \times 9 = 54.$

Examples:

Compare. Write $<$, $>$, or $=$.

1) 1×9 3×3

$$1 \times 9 \text{} = \text{.....} 3 \times 3$$

2) 2×9 3×6

$$2 \times 9 \text{} = \text{.....} 3 \times 6$$

3) 5×8 3×9

$$5 \times 8 \text{} > \text{.....} 3 \times 9$$

4) 9×4 7×5

$$9 \times 4 \text{} > \text{.....} 7 \times 5$$

5) 5×9 6×7

$$5 \times 9 \text{} > \text{.....} 6 \times 7$$

6) 9×0 2×3

$$9 \times 0 \text{} < \text{.....} 2 \times 3$$

My Real Life

A) Ahmad puts all of his seeds into flower pots. He puts 9 seeds into each of 5 flower pots. How many seeds did Ahmad have to start?

$5 \times 9 = 45$ seeds



B) Mona went on 9 different carnival rides. She went on each ride 3 times. How many times did Mona go on a carnival ride?

$9 \times 3 = 27$ times

