

Dear Family,

During the next few weeks, our math class will be learning about multiplication of whole numbers.

As we learn about multiplication, you may wish to use this example as a guide.

Vocabulary

Commutative Property of Multiplication The property which states that the order of factors does not change the product.

Identity Property of Multiplication The property which states that the product of any number and 1 is that number. $5 \times 1 = 5$

Zero Property of Multiplication The property which states that any number multiplied by zero is equal to zero. $5 \times 0 = 0$

Using a Multiplication Table to Multiply

Use the table to multiply 9×8 .

First, find the row with a 9 in the left column.

Then run your finger across the 9 row until you reach the column for 8. The number where the row and the column meet is the answer, 72.

Use the same method to show that the Commutative Property, Identity Property and the Zero Property are true.

| × | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|---|----|----|----|----|----|----|----|----|----|-----|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 0 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 0 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 0 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 0 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

When students can commit multiplication basic facts to memory, they will be able to move on to solve more complex multiplication problems.

Sincerely,

Your Child's Teacher



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