

Name: _____ Grade: IV Branch: _____ Date: 25/04/20

Subject: Mathematics

Topic: Multiplication

Properties of Multiplication:

* **Order Property:** When we multiply two or more numbers, the product does not change even if we change the order of the numbers.

E.g.: $266 \times 365 = 97090$

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* **Property of One:** When a number is multiplied by 1, then the product is the number itself.

E.g.: $36 \times 1 = 36$

* **Property of Zero:** When a number is multiplied by 0, then the product is Zero.

E.g.: $88 \times 0 = 0$

Multiplication by 10, 100, 1000:

*To multiply a number by 10, put one zero to the right of the number.

E.g.: $216 \times 10 = 2160$

*To multiply a number by 100, put two zeros to the right of the number.

E.g.: $216 \times 100 = 21,600$

*To multiply a number by 1000, put three zeros to the right of the number.

E.g.: $216 \times 1000 = 2,16,000$

I. Fill in the blanks:

a) $42 \times 1000 = \underline{\hspace{2cm}}$

b) $36 \times 10 = \underline{\hspace{2cm}}$

c) $\underline{\hspace{2cm}} \times 100 = 4300$

e) $56 \times 1000 = \underline{\hspace{2cm}}$

f) $770 \times \underline{\hspace{2cm}} = 77000$

II. Fill in the blanks:

a) $516 \times \underline{\hspace{2cm}} = 516$

b) $10 \times \underline{\hspace{2cm}} = 0$

c) $\underline{\hspace{2cm}} \times 1 = 4330$

d) $326 \times 175 = \underline{\hspace{2cm}} \times 326$

e) $1 \times 0 = \underline{\hspace{2cm}}$

III. Estimate the product by first rounding off the numbers to the nearest 10's and 100's:

a) 915×360

b) 919×900

c) 33×44