

Name/Nombre: \_\_\_\_\_ Date/Fecha: \_\_\_\_\_

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## Factors

- \* Factors are whole numbers that can \_\_\_\_\_ another number.
- \* Example: Find all possible factors of 16.
  - ❖ Thinking about numbers that will divide into 16 evenly.
  - 1 \_\_\_\_\_ a factor of 16 because  $16 \div 1 = 16$ . (No remainder)
  - 2 \_\_\_\_\_ a factor of 16 because  $16 \div 2 = 8$ . (No remainder)
  - 4 \_\_\_\_\_ a factor of 16 because  $16 \div 4 = 2$ . (No remainder)
  - 16 \_\_\_\_\_ a factor of 16 because  $16 \div 16 = 1$ . (No remainder)
  - ❖ The factors of 16 are 1, 2, 4, and 16.
  - ❖ Numbers like 3 and 5 are NOT factors of 16 because they can not be divided evenly into 16.

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## DO NOW!

List all of the factors for each number. Show all your work.

(1) 35

(2) 18

(3) 49

(4) 24

(5) 12

(6) 15

(7) 21

(8) 30