Name: _____

Finding Factors

Factors are the numbers you multiply to get another number.

          2 x 3 = 6   2 and 3 are factors of 6.

          1 x 6 = 6   1 and 6 are also factors of 6.

        What are the factors of 6?   1, 2, 3, and 6.

What are the factors of **21**? - <u>1, 3, 7, and 21</u>

What are the factors of **31**? - <u>1 and 31</u>

    What are the factors of **24**? - <u>1, 2, 3, 4, 6, 8, 12, and 24</u>

Find all of the factors for each number. List them in order from least to greatest.

a. **15** - _____, _____, _____, _____

b. **25** - _____, _____, _____

c. **3** - _____, _____

d. **27** - _____, _____, _____, _____

e. **18** - _____, _____, _____, _____, _____, _____

f. **12** - _____, _____, _____, _____, _____, _____

Now try these.

g. **21** - _____

h. **31** - _____

i. **49** - _____

j. **16** - _____

k. **33** - _____

l. **20** - _____

m. **17** - _____

n. **4** - _____

ANSWER KEY

Finding Factors

Factors are the numbers you multiply to get another number.

2 x 3 = 6   2 and 3 are factors of 6.

1 x 6 = 6   1 and 6 are also factors of 6.

What are the factors of 6?   1, 2, 3, and 6.

What are the factors of **21**? - 1, 3, 7, and 21

What are the factors of **31**? - 1 and 31

What are the factors of **24**? - 1, 2, 3, 4, 6, 8, 12, and 24

Find all of the factors for each number. List them in order from least to greatest.

a. **15** - 1, 3, 5, 15   b. **25** - 1, 5, 25

c. **3** - 1, 3   d. **27** - 1, 3, 9, 27

e. **18** - 1, 2, 3, 6, 9, 18   f. **12** - 1, 2, 3, 4, 6, 12

Now try these.

g. **21** - 1, 3, 7, 21   h. **31** - 1, 31

i. **49** - 1, 7, 49   j. **16** - 1, 2, 4, 8, 16

k. **33** - 1, 3, 11, 33   l. **20** - 1, 2, 4, 5, 10, 20

m. **17** - 1, 17   n. **4** - 1, 2, 4