Name: _____

# Finding Factors

**Factors** are the numbers you multiply to get another number.

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

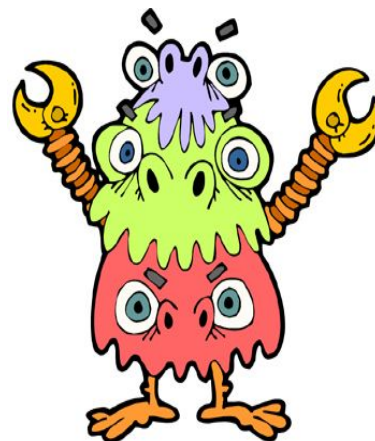  1 x 6 = 6          1 and 6 are also factors of 6.

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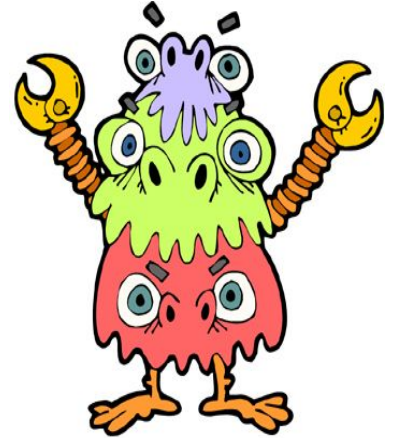
1 x 6 = 6          1 and 6 are also factors of 6.

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