

Name: \_\_\_\_\_

## Finding Factors

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

$$2 \times 3 = 6$$

2 and 3 are factors of 6.

$$1 \times 6 = 6$$

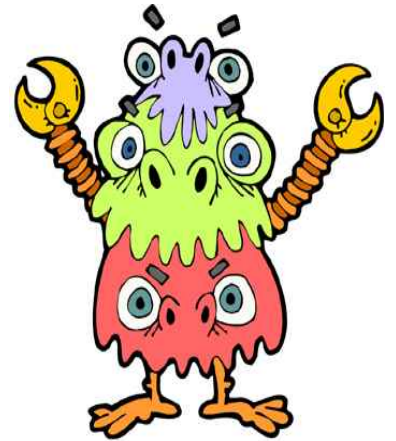
1 and 6 are also factors of 6.

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** - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

b. **81** - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

c. **3** - \_\_\_\_\_, \_\_\_\_\_

d. **27** - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

e. **18** - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

f. **12** - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Now try these.

g. **21** - \_\_\_\_\_

h. **39** - \_\_\_\_\_

i. **49** - \_\_\_\_\_

j. **16** - \_\_\_\_\_

k. **33** - \_\_\_\_\_

l. **20** - \_\_\_\_\_

m. **17** - \_\_\_\_\_

n. **4** - \_\_\_\_\_

# ANSWER KEY

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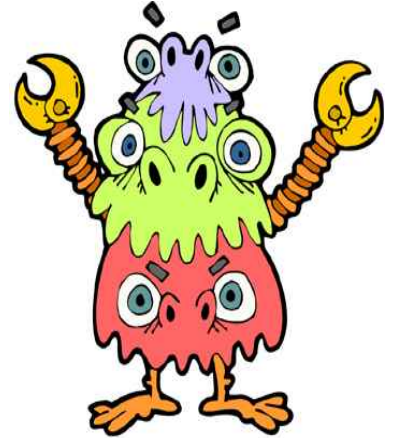
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What are the factors of **31**? - 1 and 31

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. **81** - 1, 9, 81

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. **39** - 1, 39

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