

Name: _____

Proper Factors

Factors are the numbers you multiply to get another number.

$$2 \times 3 = 6 \quad 2 \text{ and } 3 \text{ are factors of } 6.$$

$$1 \times 6 = 6 \quad 1 \text{ and } 6 \text{ are also factors of } 6.$$

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

Proper Factors are the factors of a number other than the number itself.

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

A **prime number** only has two factors: one and itself.

7 is a prime number because its only two factors are 1 and 7.

Therefore, a prime number only has one proper factor: 1.

The only proper factor of 7 is 1.



a. List all of the factors for the number **9**. _____

List all of the proper factors of **9**. _____

b. List all of the factors for the number **20**. _____

Lis



PREVIEW

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c. Lis _____

d. Lis _____

e. List all of the proper factors of **14**. _____

f. List all of the proper factors of **30**. _____

g. List all of the proper factors of **2**. _____

ANSWER KEY

Proper 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.

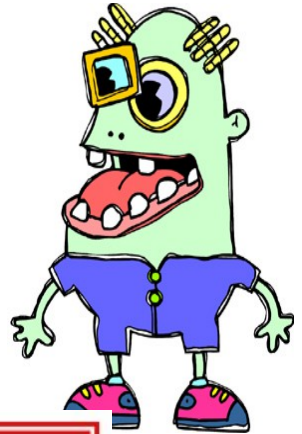
What are the factors of 6? 1, 2, 3, and 6

Proper Factors are the factors of a number other than the number itself.

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

A **prime number** only has two factors: one and itself.

7 is a prime number because its only two factors are 1 and 7.



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The

PREVIEW

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- a. List all
List all
- b. List all
List all
- c. List all
- d. List all
- e. List all
- f. List all
- g. List all of the proper factors of 2. 1

defined as the
and the number

proper factors
(except the
number 1.)

definition for this