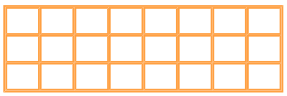
Name: Date:

Factors



1. **a.** This picture shows that
_____ and _____ are factors of 24.

b. Draw other pictures that show factors of 24.

c. List all factors of 24:

2. Factors are like "building blocks" when you are using multiplication to make numbers.
For example, 2 × 6 = 12, so 2 and 6 are factors of 12.

a. Write 36 as a product of two factors. ____ × ____ = 36 ____ × ____ = 36 ____ × ____ = 36 ____ × ____ = 36 ____ × ____ = 36 ____ × ____ = 36 List all factors of 36:	**b.** Write 40 as a product of two factors. ____ × ____ = 40 ____ × ____ = 40 ____ × ____ = 40 ____ × ____ = 40 ____ × ____ = 40 ____ × ____ = 40 List all factors of 40:
c. Is 6 a factor of 35? Is 35 divisible by 6? Is 8 a factor of 18? Is 18 divisible by 8? Is 70 a factor of 420? Is 420 divisible by 70?	**d.** How can you check if 11 is a factor of 3,289? Is it?

3. Prove your answer.

a. Is 2 a factor of 18 ? Yes, because	**b.** Is 5 a factor of 45 ?
c. Is 20 a factor of 430 ?	**d.** Is 7 a factor of 385 ?

4. List as many factors of the given number as you can find.

a. 15 **d.** 48 **g.** 20

b. 25 **e.** 30 **h.** 32

c. 42 **f.** 60 **i.** 100