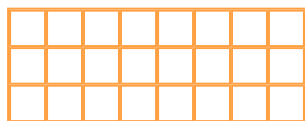


Name:

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're using multiplication to make numbers. For example,  $2 \times 6 = 12$  so 2 and 6 are factors of 12.

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

3. Prove your answer.

<p>a. Is 2 a factor of 18 ? <u>Yes, because</u></p>	<p>b. Is 5 a factor of 45 ?</p>
<p>c. Is 20 a factor of 430 ?</p>	<p>d. Is 7 a factor of 385 ?</p>

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