

Name \_\_\_\_\_

Date \_\_\_\_\_

**Prime Factorization Practice**

Difficulty Level: ★ ★ ★ ★ ☆

**Directions:** Find the prime factors for the numbers below. You may need a piece of scratch paper to complete these problems.

1

A factor tree for the number 390. The number 390 is in a rounded rectangle at the top. It branches into a circle and another rounded rectangle. The rounded rectangle branches into a circle and another rounded rectangle. The second rounded rectangle branches into two circles. Below the tree is the equation:  $\_ \times \_ \times \_ \times \_ = 390$

2

A factor tree for the number 459. The number 459 is in a rounded rectangle at the top. It branches into a circle and another rounded rectangle. The rounded rectangle branches into a circle and another rounded rectangle. The second rounded rectangle branches into two circles. Below the tree is the equation:  $\_ \times \_ \times \_ \times \_ = 459$

3

A factor tree for the number 532. The number 532 is in a rounded rectangle at the top. It branches into a circle and another rounded rectangle. The rounded rectangle branches into a circle and another rounded rectangle. The second rounded rectangle branches into two circles. Below the tree is the equation:  $\_ \times \_ \times \_ \times \_ = 532$

4

A factor tree for the number 340. The number 340 is in a rounded rectangle at the top. It branches into a circle and another rounded rectangle. The rounded rectangle branches into a circle and another rounded rectangle. The second rounded rectangle branches into two circles. Below the tree is the equation:  $\_ \times \_ \times \_ \times \_ = 340$

5

A factor tree for the number 484. The number 484 is in a rounded rectangle at the top. It branches into a circle and another rounded rectangle. The rounded rectangle branches into a circle and another rounded rectangle. The second rounded rectangle branches into two circles. Below the tree is the equation:  $\_ \times \_ \times \_ \times \_ = 484$

6

A factor tree for the number 550. The number 550 is in a rounded rectangle at the top. It branches into a circle and another rounded rectangle. The rounded rectangle branches into a circle and another rounded rectangle. The second rounded rectangle branches into two circles. Below the tree is the equation:  $\_ \times \_ \times \_ \times \_ = 550$