

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 second rounded rectangle branches into a circle and another rounded rectangle. The third 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 second rounded rectangle branches into a circle and another rounded rectangle. The third 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 second rounded rectangle branches into a circle and another rounded rectangle. The third 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 second rounded rectangle branches into a circle and another rounded rectangle. The third 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 second rounded rectangle branches into a circle and another rounded rectangle. The third 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 second rounded rectangle branches into a circle and another rounded rectangle. The third rounded rectangle branches into two circles. Below the tree is the equation: $_ \times _ \times _ \times _ = 550$