

Name \_\_\_\_\_

# Prime Factorization

Drag and drop the correct prime factors next to the numbers.

1.  $48 = \underline{2^4 \times 3}$

2.  $52 = \underline{2^2 \times 13}$

$2^4 \times 3$

3.  $36 = \underline{2^2 \times 3^2}$

$2^3 \times 3$

4.  $64 = \underline{2^6}$

$2 \times 3^2 \times 5$

5.  $72 = \underline{2^3 \times 3^2}$

$2^3 \times 3^2$

6.  $80 = \underline{2^4 \times 5}$

$3^2 \times 5$

7.  $45 = \underline{3^2 \times 5}$

$2^2 \times 3^3$

8.  $90 = \underline{3^2 \times 2 \times 5}$

$2^3 \times 5$

9.  $24 = \underline{2^3 \times 3}$

$2^6$

10.  $40 = \underline{2^3 \times 5}$

$2^2 \times 13$