

Name _____

Prime Factors

Write out the prime factors for each number.

120	$2 \times 2 \times 2 \times 3 \times 5$	$2^3 \times 3 \times 5$
150	$2 \times 3 \times 5 \times 5$	$2 \times 3 \times 5^2$
200	$2 \times 2 \times 2 \times 5 \times 5$	$2^3 \times 5^2$
240	$2 \times 2 \times 2 \times 2 \times 3 \times 5$	$2^4 \times 3 \times 5$
360	$2 \times 2 \times 2 \times 3 \times 3 \times 5$	$2^3 \times 3^2 \times 5$
320	$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 5$	$2^6 \times 5$
400	$2 \times 2 \times 2 \times 2 \times 5 \times 5$	$2^4 \times 5^2$
450	$2 \times 3 \times 3 \times 5 \times 5$	$2 \times 3^2 \times 5^2$
540	$2 \times 2 \times 3 \times 3 \times 3 \times 5$	$2^2 \times 3^3 \times 5$
750	$2 \times 3 \times 5 \times 5 \times 5$	$2 \times 3 \times 5^3$
600	$2 \times 2 \times 2 \times 3 \times 5 \times 5$	$2^3 \times 3 \times 5^2$
800	$2 \times 2 \times 2 \times 2 \times 2 \times 5 \times 5$	$2^5 \times 5^2$
780	$2 \times 2 \times 3 \times 5 \times 13$	$2^2 \times 3 \times 5 \times 13$
900	$2 \times 2 \times 3 \times 3 \times 5 \times 5$	$2^2 \times 3^2 \times 5^2$
840	$2 \times 2 \times 2 \times 3 \times 5 \times 7$	$2^3 \times 3 \times 5 \times 7$