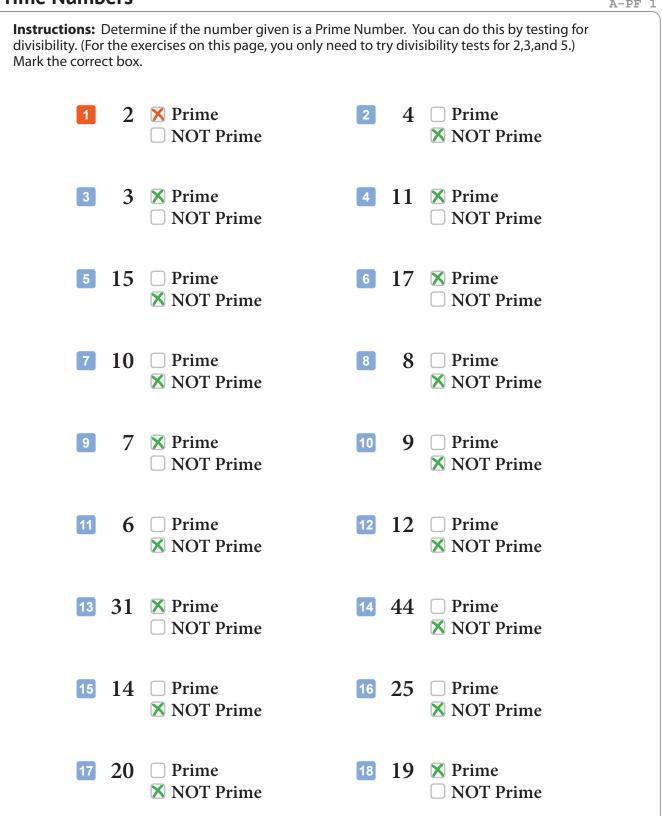


Date:

Prime Numbers

A-PF 1





Date:

Composite Numbers

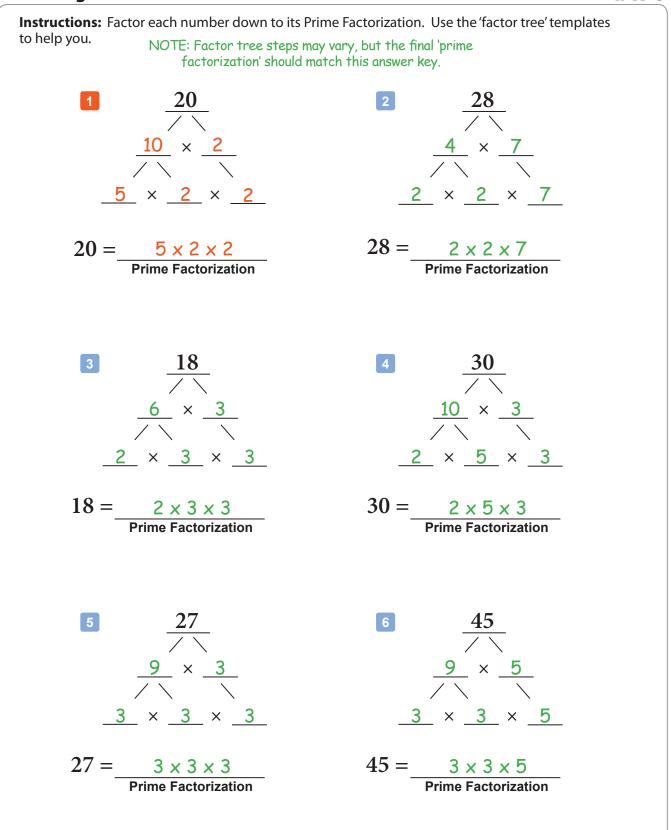
Compos	ite Numbers			A-PF 2
Instructions: Multiply each set of Prime Factors to see what Composite Number they make. (We recommend using a calculator for these exercises.)				
1	2 × 2 =4	2	3 × 3 =9	
3	2 × 3 = <u>6</u>	4	2 × 5 = <u>10</u>	
5	$2 \times 2 \times 3 = $	6	3 × 5 = <u>15</u>	
7	$2 \times 2 \times 2 = $ <u>8</u>	8	5 × 5 = _25	
9	$2 \times 3 \times 3 = 18$	10	$2 \times 3 \times 5 = 30$	
11	$3 \times 3 \times 3 = 27$	12	$3 \times 3 \times 5 = 45$	
13	$2 \times 2 \times 3 \times 3 = 36$	14	$2 \times 3 \times 5 \times 7 = 210$	
15	$2 \times 3 \times 3 \times 3 = 54$	16	$2 \times 2 \times 2 \times 3 \times 7 = 168$	
17	$2 \times 2 \times 3 \times 5 = 60$	18	$2 \times 2 \times 2 \times 5 \times 7 = 280$)



Date:

Factoring to Primes



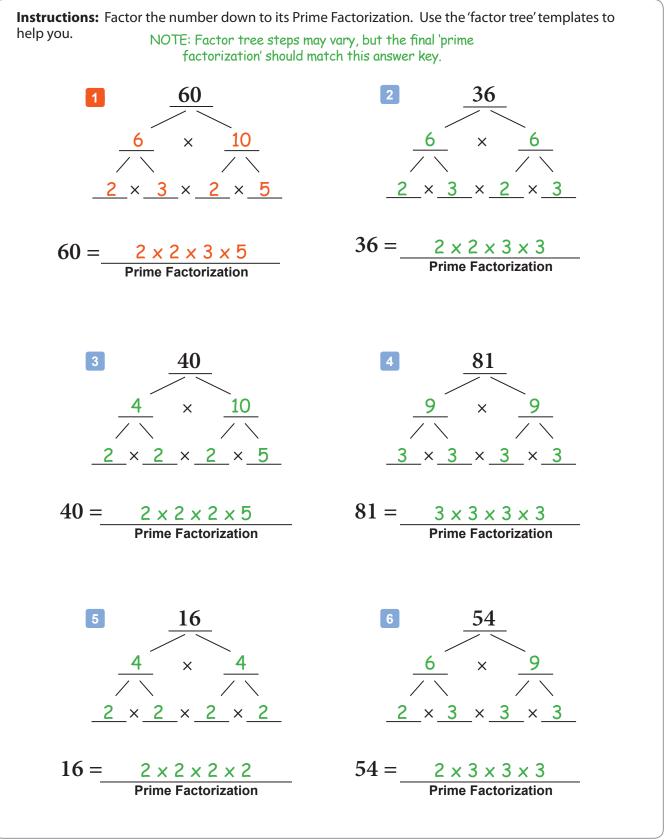




Date:

A-PF 4

Factoring to Primes - Set 2

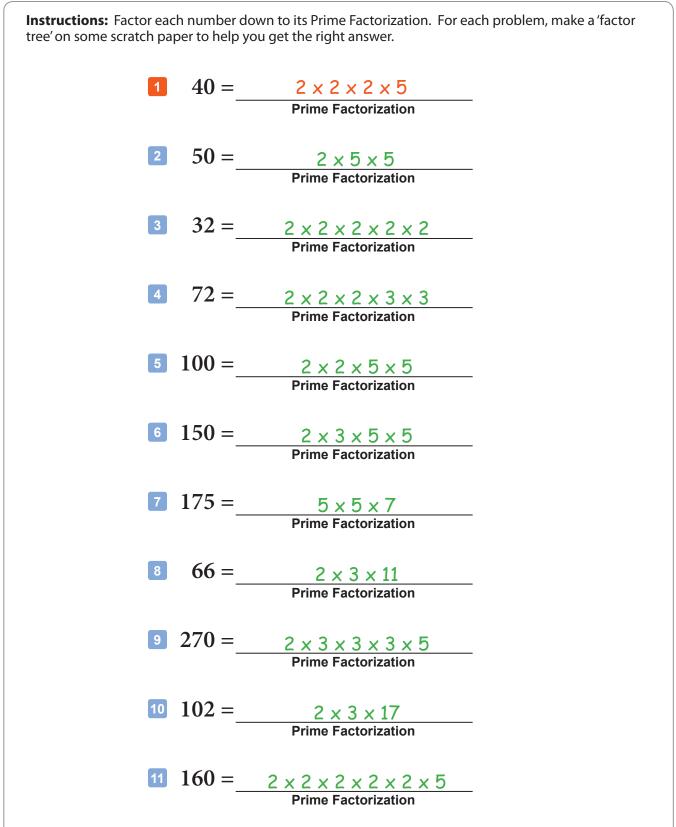




Date:

A-PF 5

More Prime Factorization Practice





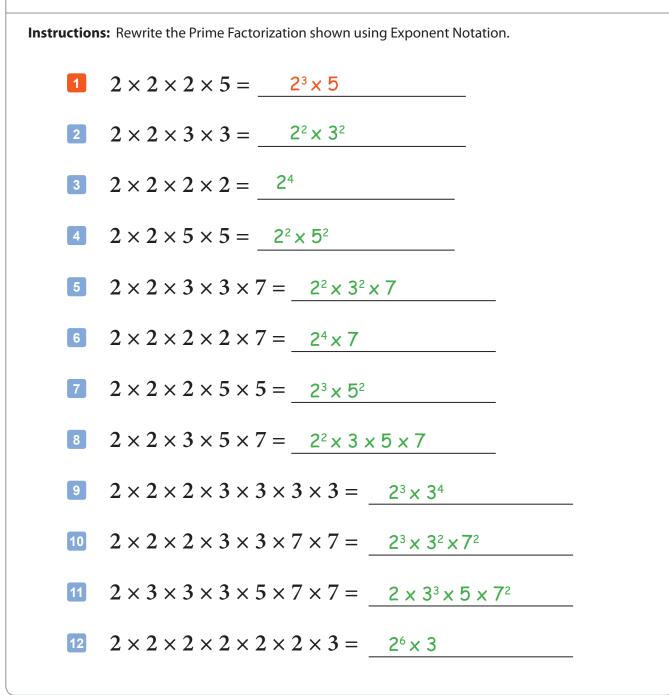
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Prime Factorization and Exponent Notation

A-PF 6

Review: Exponents are used to show repeated multiplication. For example, if you want to multiply the number 2 together 3 times, you could write $2 \times 2 \times 2$, but you could also use Exponent Notation and just write 2^3 . The small '3' means multiply this number by itself 3 times. Here are a few examples so you can see the pattern.

 $3² = 3 \times 3$ $4⁴ = 4 \times 4 \times 4 \times 4$ $5³ = 5 \times 5 \times 5$ $2⁵ = 2 \times 2 \times 2 \times 2 \times 2$





Date:

Prime or Composite?

A-PF 7