



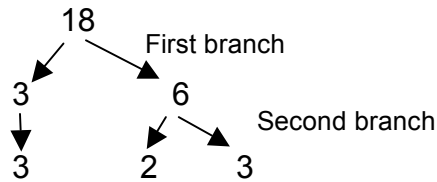
More Practice

Book 1 Worksheet

Module 1.3: Prime Factorization

Example What is the prime factorization of 18?

Here's How Use a **factor tree** to find the prime factorization.



So, $18 = 2 \times 3 \times 3$.

Step 1 Write the number.

Step 2 Start with any two factors of the number as the first branch.

Step 3 If the factors are not all prime numbers, make a second branch with factors of the composite number or numbers.

Complete each factor tree. Then write the prime factorization.

<p>1.</p> <p>$12 = \underline{2 \times 3 \times 3}$</p>	<p>2.</p> <p>$42 = \underline{2 \times 3 \times 7}$</p>	<p>3.</p> <p>$75 = \underline{3 \times 5 \times 5}$</p>
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<p>4.</p> <p>$40 = \underline{2 \times 2 \times 5 \times 5}$</p>	<p>5.</p> <p>$96 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 3}$</p>
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