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## Lesson 1 Reteach

## Prime Factorization

All composite numbers can be written as a product of prime numbers. This is called prime factorization. A factor tree can be used to write the prime factorization of a number.

## Find the prime factorization of 18.

Choose any pair of whole number factors of 18 .

Continue until all factors are prime numbers.
Circle the prime numbers.


The prime factorization of 18 is $2 \times 3 \times 3$.
You can work backward to check the prime factorization.
Multiply. $2 \times 3 \times 3=6 \times 3=18$

Find the prime factorization of each number.

1. 24 $\qquad$
2. 18 $\qquad$
3. 36 $\qquad$ 4. 32 $\qquad$
4. 35 $\qquad$ 6. 50 $\qquad$
5. 45 $\qquad$ 8. 8 $\qquad$
6. 30 $\qquad$ 10. 60 $\qquad$
7. 12 $\qquad$ 12. 15 $\qquad$
