Lesson 2.3 Practice: Prime Factorization

School Launch · Pre-Algebra · Unit 2: Factors, Multiples and Primes · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Write the prime factorization of 18 using exponents.

EASY

2. Write the prime factorization of 125 using exponents.

EASY

3. Write the prime factorization of 12 using exponents.

EASY

4. Write the prime factorization of 735 using exponents.

MEDIUM

5. Write the prime factorization of 210 using exponents.

MEDIUM

6. Write the prime factorization of 490 using exponents.

MEDIUM

7. Write the prime factorization of 350 using exponents.

MEDIUM

8. Write the prime factorization of 300 using exponents.

HARD

9. Write the prime factorization of 72 using exponents.

HARD

10. Write the prime factorization of $18{,}634$ using exponents. HARD