NAME

Module 5	Decimal Operations, Exponents, and Powers
Lesson 6	Powers and Exponents

Guided Practice 5.6



Set 2

Evaluate.



Set 4



A true/false test has 10 questions. How many different ways are there to answer all 10 questions?

2¹⁰ = 1,024 There are 1,024 different ways to answer 10 true/false questions.



On the first day, there were two rabbits. If the number of rabbits doubled every month, how many rabbits were there after six months?

1 month: 2×2 or 2^2 2 months: $2 \times 2 \times 2$ or 2^3 3 months: $2 \times 2 \times 2 \times 2$ or 2^4 . 6 months: $2^7 = 128$ There were 128 rabbits after six months.