Finding the Product and Quotients of Exponents Guided Lesson

Simplify each value below.

1) $(5t \cdot 4t^2 \cdot t)^4$

Hint: The Product Rule of Exponents says that when we are finding the product of two powers that have the same base, we can simply add the exponents.

2) $(\frac{8z^4}{2z^3})^2$

Hint: The Quotient Rule of Exponents says that when we are looking for the quotient of two powers that have the same base, we can simply find the difference (subtract) of the exponents.