

16. Construct Arguments

Ms. O'Malley's cousin lives 1,650 miles away. Ms. O'Malley won a gift card for 100 gallons of gas. If her car can travel 35 miles on each gallon, can she drive roundtrip to see her cousin on the free gas? Explain how you know. 17. Each beehive on Larson's Honey Farm usually produces 85 pounds of honey per year. About how many pounds of honey will 10³ hives produce in a year?

18. A hotel chain is ordering new furnishings. What is the total cost of 1,000 sheet sets, 1,000 pillows, and 100 desk chairs?

_	ltem	•	Price	
	Towel sets	0 0 0	\$18	
	Sheet sets	•	\$24	
	Pillows	•	\$7	
	Desk chair	•	\$114	

- **19.** Which number is greater: 87 or 13.688? How do you know?
- **20. Higher Order Thinking** The weight of an elephant is 10³ times the weight of a cat. If the elephant weighs 14,000 pounds, how many pounds does the cat weigh? How did you find the answer?

Assessment Practice

- **21.** Which is equivalent to multiplying a number by 10³?
 - (A) multiplying by 30
 - (B) multiplying by 1,000
 - © multiplying by 10,000
 - D multiplying by 10 twice

- **22.** Which is equivalent to 5×10^4 ? Select all that apply.
 - $5 \times 10,000$ $5 \times 100,000$ 5,00050,000 50×10^3

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