Multiplying and Dividing by 10, 100, and 1,000

Find each product or quotient.

1. $0.006 \times 10 =$ _____

2. $0.64 \div 10 =$ _____

3. $123.3 \div 100 =$ _____

4. $8.7 \times 100 =$ _____

5. $0.145 \times 1,000 =$ _____

6. $542.3 \div 1,000 =$ _____

7. $0.91 \times 100 =$ _____

8. $0.1 \div 10 =$ _____

9. $100 \div 1,000 =$ _____

10. $2 \div 100 =$ _____

11. $0.302 \times 1,000 =$ _____

12. $1.397 \times 100 =$ _____

13. $0.038 \div 10 =$ _____

14. $0.0115 \times 10 =$ _____

15. Reasoning What number do you need to multiply by 100 to get the same result as $16.2 \div 10$? Explain.

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16. Number Sense An alligator hatchling grew to 72.5 inches after six years. This length is 10 times its hatchling length. If you want to know its hatchling length, should you multiply or divide 72.5 by 10? Explain.

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17. What is the quotient of $12.12 \div 100$?

    A 0.1212

    B 1.212

    C 121.2

    D 1,212

18. Writing to Explain Casey said that $0.03 \times 1,000$ is 3. Explain why Casey's answer is not correct. What mistake do you think he made?

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