Estimating the Product of a Decimal and a Whole Number

Estimate each product using rounding or compatible numbers.

1. 0.97 × 312   **2.** 8.02 × 70   **3.** 31.04 × 300   **4.** 0.56 × 48

_____   _____   _____   _____

5. 0.33 × 104   **6.** 0.83 × 12   **7.** 0.89 × 51   **8.** 4.05 × 11

_____   _____   _____   _____

9. 0.13 × 7   **10.** 45.1 × 5   **11.** 99.3 × 92   **12.** 47.2 × 93

_____   _____   _____   _____

13. Mr. Webster works 4 days a week at his office and 1 day a week at home. The distance to Mr. Webster's office is 23.7 miles. He takes a different route home, which is 21.8 miles. When Mr. Webster works at home, he drives to the post office once a day, which is 2.3 miles from his house. Which piece of information is not important in figuring out how many miles Mr. Webster drives per week to his office?

  A the number of days at the office

  B the distance to his office

  C the distance to the post office

  D the distance from his office

14. Mrs. Smith bought her three children new snowsuits for winter. Each snowsuit cost $25.99. How much did Mrs. Smith pay in all?

  A $259.90   **B** $77.97   **C** $51.98   **D** $25.99

15. How can estimating be helpful before finding an actual product?

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