Models for Multiplying Decimals

Place the decimal point in each product.

1. $3 \times 6.89 = 2067$  
2. $0.3 \times 4.5 = 1350$

Find each product.

3. $14.3 \times 2.1 \times 8 = 2926.8$  
4. $0.45 \times 100 = 45$

5. $67.1 \times 0.3 \times 40 = 805.2$  
6. $58 \times 4.21 = 245.48$

7. Show how to find the product of $16.2 \times 4$ using addition.

8. Which activity is 6 times faster than the fastest rowing speed?

9. The fastest speed a table tennis ball has been hit is 21.12 times faster than the speed for the fastest swimmer. What is the speed for the table tennis ball?

10. How fast would 3 times the fastest rowing speed be?

11. Which is the product of $241.82 \times 3.1$?
   A 7.498   B 749.642   C 74.958   D 7.5

12. Explain why multiplying $37.4 \times 0.1$ gives a product that is less than 37.4.

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