



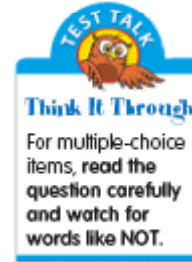
Chapter 2 Section B Diagnostic Checkpoint

MULTIPLE CHOICE

- Which two numbers do NOT have a product of 0.6? (2-7, 2-9)

A. 2 and 0.3 B. 0.2 and 3 C. 0.6 and 1 D. 10 and 0.006
- If you multiplied 0.341 and 82.5, how many decimal places would be in the product? (2-11)

A. 3 places B. 4 places C. 5 places D. 7 places



FREE RESPONSE

Find each product. Use mental math. (2-7)

3. 7.23×10 4. 8.1×100 5. 100×96.6 6. $1,000 \times 0.4$


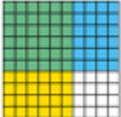


Estimate each product. (2-8)

7. 5.7×4 8. 84.6×38.5 9. 12×7.3 10. 0.92×6.3

Find each product. (2-9, 2-11)

- | | | | |
|---|--|---|---|
| 11. 8×0.6 | 12. 1.3×4.5 | 13. 0.009×7 | 14. 20.8×15.6 |
| 15. $\begin{array}{r} 7.4 \\ \times 0.03 \\ \hline \end{array}$ | 16. $\begin{array}{r} 66.4 \\ \times 9 \\ \hline \end{array}$ | 17. $\begin{array}{r} 0.33 \\ \times 0.5 \\ \hline \end{array}$ | 18. $\begin{array}{r} 12.8 \\ \times 4.07 \\ \hline \end{array}$ |
| 19. $\begin{array}{r} 1.8 \\ \times 2.3 \\ \hline \end{array}$ | 20. $\begin{array}{r} 0.05 \\ \times 0.06 \\ \hline \end{array}$ | 21. $\begin{array}{r} 0.27 \\ \times 2.7 \\ \hline \end{array}$ | 22. $\begin{array}{r} 0.006 \\ \times 0.25 \\ \hline \end{array}$ |

Write a multiplication sentence that describes the shaded areas of each grid. (2-10)

23. 
24. 
25. 
26. 

Writing in Math

- Explain how to find $7.08 \times 1,000$ using mental math. (2-7)
- Is 3,000 an overestimate or an underestimate for the product of 54.2 and 61.9? Tell how you know. (2-8)
- Brandon says that the product of 0.2 and 0.2 is 0.4. Is he correct? If not tell why and explain how to find the correct product. (2-10)