

Name _____

Independent Practice

Estimate. Round to the greatest place value. Circle whether the estimate is *greater than* or *less than* the actual product.

3. 562×6
 ↓
 _____ \times _____ = _____

greater than
less than

4. 2×896
 ↓
 _____ \times _____ = _____

greater than
less than

5. 729×8
 ↓
 _____ \times _____ = _____

greater than
less than

6. $2 \times \$438$
 ↓
 _____ \times _____ = _____

greater than
less than

7. $\$450 \times 7$
 ↓
 _____ \times _____ = _____

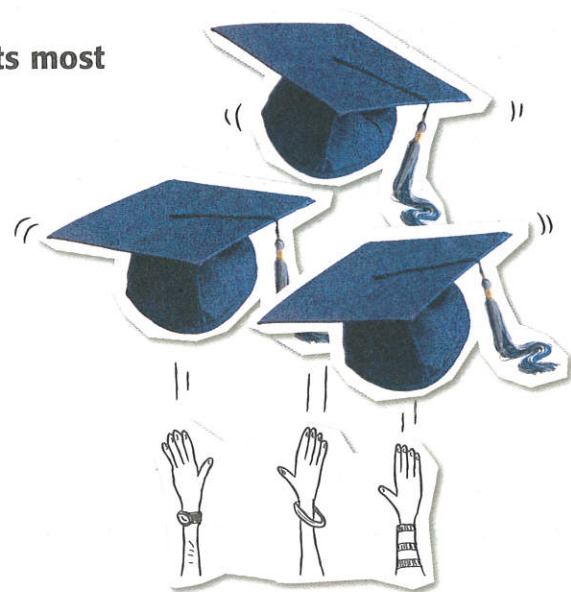
greater than
less than

8. $3 \times 5,489$
 ↓
 _____ \times _____ = _____

greater than
less than

Draw lines to match each product with its most reasonable estimate.

- | | |
|--------------------|---------|
| 9. 7×189 | • 4,800 |
| 10. 211×9 | • 1,400 |
| 11. 8×632 | • 2,500 |
| 12. 455×5 | • 1,800 |

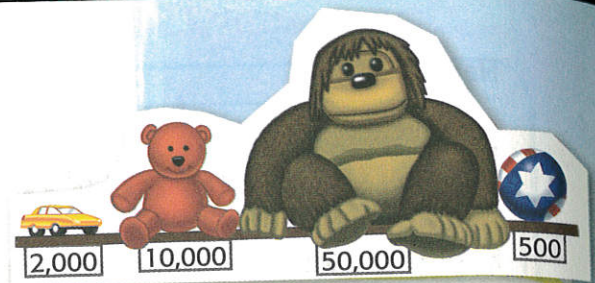


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Problem Solving

Toby and Lena like to go to the arcade. They earn points towards prizes. For Exercises 13–15, use the information to the right.



13. **Mathematical PRACTICE 1** **Plan Your Solution** Toby went to the arcade 2 times. He earned 5,150 points each time. What is the biggest prize Toby can get?

14. How many toy cars could Toby get with his points?

15. Lena went to the arcade 7 times. She earned 9,050 points each time. What are the two largest prizes she can get?

16. The students in Mrs. Pluma's class each wrote 4 letters to their pen pals. There were about 80 letters written in all. About how many students are in Mrs. Pluma's class?

My Work!

HOT Problems

17. **Mathematical PRACTICE 2** **Use Number Sense** Explain how you can tell if your estimated answer is greater or less than the exact answer to a multiplication problem.

18. **?** **Building on the Essential Question** How is estimation helpful when finding a product mentally? Explain.
