

Name \_\_\_\_\_

# Decode the Message

Use estimation to decide which product is greatest. Then write the letter of the correct answer above its place in the letter puzzle below. For example, the letter of the greatest product from Exercise 1 goes above Blank 1. The first one has been done for you.


1. <b>A</b>	$42 \times 50$	<b>E</b>	$33 \times 64$	<b>T</b>	$48 \times 56$
2. <b>A</b>	$12 \times 15$	<b>B</b>	$11 \times 14$	<b>C</b>	$10 \times 13$
3. <b>J</b>	$91 \times 24$	<b>O</b>	$89 \times 33$	<b>P</b>	$82 \times 31$
4. <b>K</b>	$78 \times 46$	<b>R</b>	$74 \times 48$	<b>E</b>	$79 \times 55$
5. <b>A</b>	$45 \times 32$	<b>I</b>	$48 \times 39$	<b>R</b>	$43 \times 34$
6. <b>I</b>	$25 \times 26$	<b>E</b>	$23 \times 27$	<b>Y</b>	$22 \times 27$
7. <b>T</b>	$50 \times 48$	<b>W</b>	$56 \times 42$	<b>B</b>	$51 \times 44$
8. <b>T</b>	$34 \times 62$	<b>R</b>	$32 \times 69$	<b>S</b>	$37 \times 65$
9. <b>N</b>	$88 \times 72$	<b>P</b>	$67 \times 70$	<b>M</b>	$91 \times 64$
10. <b>D</b>	$43 \times 53$	<b>H</b>	$42 \times 56$	<b>M</b>	$42 \times 61$

What is a great way to evaluate the reasonableness of an answer?

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4.    8.    7.    5.    10.    2.    1.    6.    3.    9.

11.  **Write Math** For Exercise 10, how did you use estimation to decide which was the greatest product?

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12. **Stretch Your Thinking** How could you estimate the product  $253 \times 93$ ? **Explain.**

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