

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Estimate the product first. Solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.

<p>a. <math>312 \times 149</math></p> <p><math>\approx 300 \times 100</math> <math>= 30,000</math></p> <p><math display="block">\begin{array}{r} 312 \\ \times 149 \\ \hline \end{array}</math></p>	<p>b. <math>743 \times 295</math></p>	<p>c. <math>428 \times 637</math></p>
<p>d. <math>691 \times 305</math></p>	<p>e. <math>4,208 \times 606</math></p>	<p>f. <math>3,068 \times 523</math></p>
<p>g. <math>430 \times 3,064</math></p>	<p>h. <math>3,007 \times 502</math></p>	<p>i. <math>254 \times 6,104</math></p>



## Answer Key

1.
  - a. 46,488
  - b. 210,000; 219,185
  - c. 240,000; 272,636
  - d. 210,000; 210,755
  - e. 2,520,000; 2,550,048
  - f. 1,500,000; 1,604,564
  - g. 1,200,000; 1,317,520
  - h. 1,500,000; 1,509,514
  - i. 1,800,000; 1,550,416
2. No; answers will vary.
3. 600,000; answers will vary.