

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. 213×328</p> <p>$\approx 200 \times 300$ $= 60,000$</p> <p style="margin-left: 100px;"> $\begin{array}{r} 213 \\ \times 328 \\ \hline \end{array}$ </p>	<p>b. 662×372</p>	<p>c. 739×442</p>
<p>d. 807×491</p>	<p>e. $3,502 \times 656$</p>	<p>f. $4,390 \times 741$</p>
<p>g. $530 \times 2,075$</p>	<p>h. $4,004 \times 603$</p>	<p>i. $987 \times 3,105$</p>

2. Each container holds 1 L 275 mL of water. How much water is in 609 identical containers? Find the

difference between your estimated product and precise product.

3. A club had some money to purchase new chairs. After buying 355 chairs at \$199 each, there was \$1,068 remaining. How much money did the club have at first?

4. So far, Carmella has collected 14 boxes of baseball cards. Each box has 315 cards in it. Carmella estimates that she has about 3,000 cards, so she buys 6 albums that hold 500 cards each.
 - a. Will the albums have enough space for all of her cards? Why or why not?

 - b. How many cards does Carmella have?

 - c. How many albums will she need for all of her baseball cards?

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

a. $283 \times 416 =$ _____

$$\begin{array}{r} 283 \\ \times 416 \\ \hline \end{array}$$

\approx _____ \times _____

$=$ _____

b. $2,803 \times 406 =$ _____

$$\begin{array}{r} 2803 \\ \times 406 \\ \hline \end{array}$$

\approx _____ \times _____

$=$ _____

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

2. When multiplying 1,729 times 308, Clayton got a product of 53,253. Without calculating, does his

product seem reasonable? Explain your thinking.

3. A publisher prints 1,912 copies of a book in each print run. If they print 305 runs, the manager wants to know about how many books will be printed. What's a reasonable estimate?