

# Calculator

A calculator has buttons for each of the numbers from 0 to 9. The button with the plus (“+”) sign is used for addition. Similarly, the minus (“-”) button for subtraction, the times (“×”) button for multiplication, and divide (“÷”) button for division. To get an answer, push “= ”.

For example, to calculate  $34 \times 2,492$ , press 

and the calculator should show you 84728.



In this lesson, use your calculator for *every exercise*. Otherwise, use a calculator only if you see the little calculator image next to the exercise.

1. Use a calculator to calculate these products.

a. $1,000 \times 5,000$	b. $3,000 \times 7,000$	c. $8,000 \times 9,000$	d. $3,000 \times 6,000$
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Do you notice a *pattern* in the above results? This time, calculate the answer *mentally* first. Then use a calculator to check to see if you were right.

e. $3,000 \times 5,000$	f. $4,000 \times 4,000$	g. $7,000 \times 6,000$	h. $9,000 \times 3,000$
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2. First estimate the answer by using rounded numbers. Then calculate the exact answer with a calculator. Lastly, find the error of estimation with a calculator.

Remember? **The error of estimation** is the *difference* between the exact answer and the estimated answer.

<p>a. <math>54,395 + 89,302</math> (round to thousands)</p> <p>My estimation: _____</p> <p>Exact answer: _____</p> <p>Error of estimation: _____</p>	<p>b. <math>9,807,520 - 1,532,392</math> (round to millions)</p> <p>My estimation: _____</p> <p>Exact answer: _____</p> <p>Error of estimation: _____</p>
<p>c. <math>1,224,845</math> (to millions) <math>\div</math> <math>995</math> (to thousands)</p> <p>My estimation: _____</p> <p>Exact answer: _____</p> <p>Error of estimation: _____</p>	<p>d. <math>2,873 \times 3,204</math> (round to thousands)</p> <p>My estimation: _____</p> <p>Exact answer: _____</p> <p>Error of estimation: _____</p>