

# Homework

Use an equation to solve.

*Show your work.*

1. The soccer club has 127 members. The baseball club has 97 members. Both clubs will meet to discuss a fundraiser. The members will be seated at tables of 8 members each. How many tables will they use?
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2. A hardware store pays \$3,500 for 42 lawnmowers. Then the store sells the lawnmowers for \$99 each. How much profit does the store make from the lawnmower sales?
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3. George buys a set of 224 stamps. He gives 44 stamps to a friend. Then he places the remaining stamps into an album with 5 stamps on each page. How many pages does he fill in his album?
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4. Shane and his family go to the movie theater and buy 6 tickets for \$12 each. Then they spend a total of \$31 for popcorn and drinks. How much did Shane and his family spend for tickets, popcorn and drinks at the movie theater?
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5. Last year, 226 people attended the school graduation ceremony. This year, the school expects 125 more people than last year. The school has arranged for a van to transport people from the parking area to the ceremony. Each van holds 9 people. How many trips will the van make?
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## Remembering

Solve each multiplication problem, using any method.

Use rounding and estimation to check your work.

1.  $22 \times 58$

2.  $34 \times 91$

3.  $63 \times 72$

4.  $17 \times 56$

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Solve by using any method. Then check your answer by rounding and estimating.

5.  $9 \overline{)39}$

6.  $4 \overline{)168}$

7.  $5 \overline{)4,204}$

The graph shows the number of points Derek scored during his first five basketball games.

8. Write a multiplication equation and a division equation that compare the number of points Derek scored during Game 1 ( $x$ ) to the number of points Derek scored during Game 4 ( $y$ ).

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9. **Stretch Your Thinking** There will be 138 people at a fundraising auction. Each table seats six. An additional 3 tables are needed to display the auction items. What is the minimum number of tables that are needed for the fundraiser? Which equation *cannot* be used to answer this question? Explain.

$$138 \div (6 + 3) = t$$

$$(138 \div 6) + 3 = t$$

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