Name ________________________________

Date ________________________________

Solve.

1. Jeffery bought 203 sheets of stickers. Each sheet has a dozen stickers. He gave away 907 stickers to his family and friends on Valentine's Day. How many stickers does Jeffery have remaining?

\[
\begin{align*}
12 & \times 12 \\
& = 144 \\
203 & \times 12 \\
& = 2,436 \\
\end{align*}
\]

\[
\begin{align*}
& + 2,030 \\
& = 2,436 \\
\end{align*}
\]

Jeffery has 1,529 stickers remaining.

2. During the 2011 season, a quarterback passed for 302 yards per game. He played in all 16 regular season games that year.
   a. For how many total yards did the quarterback pass?

   \[
   302 \times 16 = 4,832
   \]

   b. If he matches this passing total for each of the next 13 seasons, how many yards will he pass for in his career?

3. Bao saved $179 a month. He saved $145 less than Ada each month. How much would Ada save in three and a half years?

   Bao: $179/month
   Ada: $324/month

   \[
   \begin{align*}
   & \times 12 = 3,600 \\
   & + 1,294 \text{ (42 months)} \\
   & + \frac{324}{648} = 13,408
   \end{align*}
   \]
4. Mrs. Williams is knitting a blanket for her newborn granddaughter. The blanket is 2.25 meters long and 1.8 meters wide. What is the area of the blanket? Write the answer in centimeters.

The area of the blanket is $40,500 \text{ cm}^2$ or sq. cm.

5. Use the chart to solve.

<table>
<thead>
<tr>
<th>Soccer Field Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIFA Regulation (in yards)</td>
</tr>
<tr>
<td>--------------------------</td>
</tr>
<tr>
<td>Minimum Length</td>
</tr>
<tr>
<td>Maximum Length</td>
</tr>
<tr>
<td>Minimum Width</td>
</tr>
<tr>
<td>Maximum Width</td>
</tr>
</tbody>
</table>

a. Write an expression to find the difference in the maximum area and minimum area of a NYS high school soccer field. Then, evaluate your expression.

$\dfrac{(120 \times 80) - (100 \times 55)}{1100} = \dfrac{9,600 - 5,500}{1100} = 4.100$

b. Would a field with a width of 75 yards and an area of 7,500 square yards be within FIFA regulation? Why or why not?

c. It costs $26 to fertilize, water, mow, and maintain each square yard of a full size FIFA field (with maximum dimensions) before each game. How much will it cost to prepare the field for next week’s match?