Name $\qquad$ Date $\qquad$

Solve.

1. An office space in New York City measures 48 feet by 56 feet. If it sells for $\$ 565$ per square foot, what is the total cost of the office space?
2. Gemma and Leah are both jewelry makers. Gemma made 106 beaded necklaces. Leah made 39 more necklaces than Gemma.
a. Each necklace they make has exactly 104 beads on it. How many beads did both girls use altogether while making their necklaces?
b. At a recent craft fair, Gemma sold each of her necklaces for $\$ 14$. Leah sold each of her necklaces for 10 dollars more. Who made more money at the craft fair? How much more?
3. Peng bought 26 treadmills for her new fitness center at $\$ 1,334$ each. Then she bought 19 stationary bikes for $\$ 749$ each. How much did she spend on her new equipment? Write an expression, and then solve.
4. A Hudson Valley farmer has 26 employees. He pays each employee $\$ 410$ per week. After paying his workers for one week, the farmer has $\$ 162$ left in his bank account. How much money did he have at to begin with?
5. Frances is sewing a border around 2 rectangular tablecloths that each measure 9 feet long by 6 feet wide. If it takes her 3 minutes to sew on 1 inch of border, how many minutes will it take her to complete her sewing project? Write an expression, and then solve.
6. Each grade level at Hooperville Schools has 298 students.
a. If there are 13 grade levels, how many students attend Hooperville Schools?
b. A nearby district, Willington, is much larger. They have 12 times as many students. How many students attend schools in Willington?

Name $\qquad$ Date $\qquad$
Solve.

1. Juwad picked 30 bags of apples on Monday and sold them at his fruit stand for $\$ 3.45$ each. The following week he picked and sold 6 bags more.
a. How much money did Juwad earn in the first week?
b. How much money did he earn in the second week?
c. How much did Juwad earn selling bags of apples these two weeks?
d. (Bonus) Each bag Juwad picked holds 15 apples. How many apples did he pick in two weeks? Write an expression to represent this statement.

Name $\qquad$ Date $\qquad$

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?
2. During the 2011 season, a quarterback passed for 302 yards per game. He played in all 16 regular season games that year.
a. How many total yards did the quarterback pass for?
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?
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.
5. Use the chart to solve.

## Soccer Field Dimensions

|  | FIFA Regulation <br> (in yards) | New York State High Schools <br> (in yards) |
| :---: | :---: | :---: |
| Minimum Length | 110 | 100 |
| Maximum Length | 120 | 120 |
| Minimum Width | 70 | 55 |
| Maximum Width | 80 | 80 |

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.
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?

