## Use the following information for Questions 1 and 2.

You sold two different types of wrapping paper for your band fund-raiser. One type sold for $\$ 6$ a roll and the other for $\$ 8$ a roll. You collected a total of $\$ 92$ for the 14 rolls you sold.

1. Let $x$ represent the number of $\$ 6$ rolls you sold and $y$ the number of $\$ 8$ rolls you sold. Which system of equations can be used to model this problem? Why?
A. $x+y=92$
B. $x+y=14$
$6 x+8 y=14$
$6 x+8 y=92$
C. $x-y=14$
D. $x-y=92$
$6 x-8 y=92$
$6 x-8 y=92$
2. What method would you use to solve the system of equations you chose in Question 1? Explain your answer.

## Use the following information for Questions 3 and 4.

You paid $\$ 31$ to ship 8 packages. The shipping for each package in one group was $\$ 3.50$. The shipping for each package in the other group was $\$ 5$.
3. Let $x$ represent the number of $\$ 3.50$ packages and $y$ represent the number of $\$ 5$ packages. Which system of equations can be used to model this problem? Why?
A. $x+y=3.50$
B. $x+y=31$
$x+y=5$
$3.5 x+5 y=8$
C. $x+y=31$
D. $x+y=8$
$x-y=8$
$3.5 x+5 y=31$
4. What method would you use to solve the system of equations you chose in Question 3? Explain your answer.

