6-3	Syste	m Wor	d Problems			Name
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Hour

 Danielle's school is selling tickets to a choral performance. On the first day of ticket sales the school sold 7 adult tickets and 6 child tickets for a total of \$107. The school took in \$87 on the second day by selling 7 adult tickets and 2 child tickets. What is the price each of one adult ticket and one child ticket?

2) Mike's school is selling tickets to a fall musical. On the first day of ticket sales the school sold 2 adult tickets and 3 child tickets for a total of \$69. The school took in \$54 on the second day by selling 1 adult ticket and 3 child tickets. Find the price of an adult ticket and the price of a child ticket.

3) Molly and Abhasra each improved their yards by planting grass sod and geraniums. They bought their supplies from the same store. Molly spent \$36 on 3 ft<sup>2</sup> of grass sod and 3 geraniums. Abhasra spent \$43 on 4 ft<sup>2</sup> of grass sod and 3 geraniums. Find the cost of one ft<sup>2</sup> of grass sod and the cost of one geranium. 4) Mark and Sumalee are selling pies for a school fundraiser. Customers can buy apple pies and pumpkin pies. Mark sold 4 apple pies and 5 pumpkin pies for a total of \$73. Sumalee sold 4 apple pies and 8 pumpkin pies for a total of \$100. What is the cost each of one apple pie and one pumpkin pie?

5) Lea and Jacob are selling flower bulbs for a school fundraiser. Customers can buy packages of tulip bulbs and packages of crocus bulbs. Lea sold 8 packages of tulip bulbs and 6 packages of crocus bulbs for a total of \$194. Jacob sold 7 packages of tulip bulbs and 6 packages of crocus bulbs for a total of \$184. Find the cost each of one package of tulips bulbs and one package of crocus bulbs.

6) Mary and Cody each improved their yards by planting daylilies and geraniums. They bought their supplies from the same store. Mary spent \$140 on 7 daylilies and 8 geraniums. Cody spent \$26 on 1 daylily and 2 geraniums. Find the cost of one daylily and the cost of one geranium.