Systems of Equations Word Problems

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Solve each word problem.

1) At a store, Eva bought 5 shirts and 5 hats for $\$45$. Nicole bought 7 same shirts and 6 same hats for $\$59$. What is the price of each shirt?

2) A theater is selling tickets for a performance. Mr. Smith purchased 5 senior tickets and 7 child tickets for $\$58$ for his friends and family. Mr. Jackson purchased 7 senior tickets and 6 child tickets for $\$66$. What is the price of a senior ticket?

3) Emma and Sepehr are selling Chocolate Chip cookies and Oreo cookies Emma sold 6 boxes of Chocolate Chip cookies and 3 boxes of Oreo cookies for a total of $\$48$. Sepehr sold 2 boxes of Chocolate Chip cookies and 2 boxes of Oreo cookies for a total of $\$22$. Find the cost of one box of Chocolate Chip cookies.

4) Emma and Sepehr are selling Chocolate Chip cookies and Oreo cookies Emma sold 2 boxes of Chocolate Chip cookies and 6 boxes of Oreo cookies for a total of $\$44$. Sepehr sold 3 boxes of Chocolate Chip cookies and 2 boxes of Oreo cookies for a total of $\$24$. Find the cost of one box of Chocolate Chip cookies.

5) Tickets to a movie cost $\$5$ for adults and $\$4$ for students. A group of friends purchased 12 tickets for $\$54$. How many adults ticket did they buy?

6) Tickets to a movie cost $\$2$ for adults and $\$2$ for students. A group of friends purchased 10 tickets for $\$20$. How many adults ticket did they buy?

7) At a store, Eva bought 3 shirts and 2 hats for $\$20$. Nicole bought 7 same shirts and 2 same hats for $\$36$. What is the price of each shirt?

8) A theater is selling tickets for a performance. Mr. Smith purchased 5 senior tickets and 6 child tickets for $\$50$ for his friends and family. Mr. Jackson purchased 3 senior tickets and 5 child tickets for $\$37$. What is the price of a senior ticket?

Answers of Systems of Equations Word Problems

Solve each word problem.

1) At a store, Eva bought 5 shirts and 5 hats for $\$45$. Nicole bought 7 same shirts and 6 same hats for $\$59$. What is the price of each shirt? $\$5$

2) A theater is selling tickets for a performance. Mr. Smith purchased 5 senior tickets and 7 child tickets for $\$58$ for his friends and family. Mr. Jackson purchased 7 senior tickets and 6 child tickets for $\$66$. What is the price of a senior ticket? $\$6$

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6) Tickets to a movie cost $\$2$ for adults and $\$2$ for students. A group of friends purchased 10 tickets for $\$20$. How many adults ticket did they buy? 6 tickets.

7) At a store, Eva bought 3 shirts and 2 hats for $\$20$. Nicole bought 7 same shirts and 2 same hats for $\$36$. What is the price of each shirt? $\$4$

8) A theater is selling tickets for a performance. Mr. Smith purchased 5 senior tickets and 6 child tickets for $\$50$ for his friends and family. Mr. Jackson purchased 3 senior tickets and 5 child tickets for $\$37$. What is the price of a senior ticket? $\$4$