

Write your answers on notebook paper. Show your work.

- The Middle School is holding a book fair. The costs of different types of books are in the table.

Book Type	Cost (\$)
paperback	7.50
hardcover	12.50
books on tape	8.75
reference book	10.25

- Paige brought \$5.00 to the book fair. She wants to buy three paperback books. Write and solve an equation to determine how much more money she will need to make this purchase.
 - Lesley has \$17 to spend, which she uses to buy a reference book. Write and solve an equation to show how much Lesley will receive in change.
 - Write and graph an inequality to represent the *maximum* amount of money Lesley has to spend on another book.
 - Use the inequality and its graph to explain whether Lesley has enough money to buy a paperback book.
- Darius's parents sent money to the book fair to be split among the four children in his family. After they gave the money to the cashier, she told each child they had \$11.50 to spend. Write and solve an equation to show the total amount of money Darius's parents sent to the book fair.
 - Marcus wants to buy several paperback books.
 - Create a table of values to show the cost of buying up to five paperback books.
 - Plot the data on a graph.
 - Write an equation that represents the cost to Marcus of buying the books and identify the independent and dependent variables. Explain your reasoning in making your choices.
 - If Marcus wanted to buy eight paperback books, what would be the cost?
 - Marcus's friend has \$97.50 to spend on paperback books. How many paperbacks can he buy? Explain which representation you used in determining your answer.