

Name _____

Date _____

Word Problems Leading to Inequalities - Independent Practice Worksheet

Complete all the problems.

1. Julia has \$80. She wants to purchase a nail paint set for \$16 and earrings. She spends the rest of the money on earrings. Each pair of earrings costs \$8. Write an inequality for the number of pairs of earrings she can purchase.



2. Solve $0.7x - 2 < 5.5$ and graph the solution on a number line.

3. Christina goes to the market with \$50. She buys one papaya for \$20 and spends the rest of the money on bananas. Each banana costs \$6. Write an inequality for the number of bananas she can purchase.

4. Solve $1.2x + 8 < 9.6$ and graph the solution on a number line.

5. Billy goes to the store. He has \$90. He wants to purchase a leather jacket for \$45, a hat for \$10, and the rest on jeans. Each pair of jeans costs \$35. Write an inequality for the number of jeans he can purchase.

6. Solve $2.6x + 2 > -12.5$ and graph the solution on a number line.

7. Rebecca bought one gold fish (\$32) and one star fish (\$12). She spends the rest of her money on guppy fish. She starts with \$80. Each guppy costs \$6. Write an inequality for the number of guppies she can purchase.

8. Erin has \$50. She wants to purchase a cell phone (\$20) and spend the rest on music CDs. Each music CD costs \$8. Write an inequality for the number of music CDs she can purchase.

9. Solve $2.2x - 5 < -13$ and graph the solution on a number line.

10. Solve $0.4x - 4 < 2.4$ and graph the solution on a number line.

