

Name _____

Date _____

Inequality Constraint or Condition Word Problems - Independent Practice

Complete all the questions.

1. Maria is selling toys and flowers. The toys cost \$12 and the flowers cost \$10. She needs to make at least \$300.

a. Write an inequality that represents her situation.

b. How many flowers does Maria need to sell?

2. Daniel wants to order shirts on the Internet, shirts cost \$20.00 and shipping on all orders is \$ 10.99. Daniel has \$50 to spend.

a. Write an inequality that represents his situation.

b. How many shirts can be ordered without exceeding his limit?

3. Betty organized her parents' anniversary party near the lake. \$300 was the cost for the party equipment rentals. There was also a cost of \$7.50 for each person. Betty has no more than \$600 to spend on the party.

a. Write an inequality that represents Betty's situation.

b. How many people can Betty invite to her parents' anniversary without exceeding her limit?

4. For the office party Mark has to spend less than \$60. So he ordered hamburgers that cost \$10 each and a pizza that costs \$12.

a. Write an inequality that represents Mark's situation.

b. How many pizzas can Mark order without exceeding his limit?

5. Ronnie's savings account has a \$600 balance. He withdraws \$30 from the account every week. He wants at least \$200 in the account.

a. Write an inequality that represents his situation.

b. How many weeks can he withdraw that amount without going under?



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6. Taylor charges \$3.50 for dropping one person at their destination. He also charges \$0.20 per mile. A man only has \$10 to spend.

- a. Write an inequality that represents his situation.
- b. How many miles can the man travel without exceeding his limit?

7. The school trip can spend no more than \$500. The trip cost \$275 and \$5 per student.

- a. Write an inequality that represents his situation.
- b. How many students can go on the trip?

8. Paul ordered a sweater which costs \$36 online. The shipping charges are \$12.25. Paul can only spend \$72.

- a. Write an inequality that represents his situation.
- b. How many sweaters can he purchase without exceeding his limit?

9. At a hair salon they charge \$2.00 for the shampoo and \$0.75 as tax. Barbara has no more than \$10 to spend.

- a. Write an inequality that represents his situation.
- b. How many bottles of shampoo could she possible purchase?

10. Sarah can spend \$10 for the carnival in the school. The entry fee is \$5 and each game inside cost \$1.

- a. Write an inequality that represents his situation.
- b. What is the maximum number of games she can play?

