

Two-Step Inequality Word Problems

Write and solve an inequality for each problem. Then fill in the blank to answer the question.

- 1 A taxi company charges a flat fee of \$3.50 per ride plus an additional \$0.65 per mile. If Ian has only \$10, what is the farthest he can ride?

Ian can ride at most _____ miles.

- 2 Hannah earned 140 prize tickets playing pinball at Gamer Grounds. She spends 85 tickets on a bracelet and the rest of her tickets on candies that cost 10 tickets each. At most, how many candies can Hannah get?

Hannah can get at most _____ candies.

- 3 The student council at Deer Creek Middle School is organizing a dance to raise money for their end-of-year trip. They want to raise at least \$400. Tickets are priced at \$4 each, and they already spent \$25 on decorations. What is the minimum number of tickets they have to sell to reach their goal?

They have to sell at least _____ tickets to reach their goal.

- 4 Trisha is saving \$25 a week to go on a vacation. She determines that she will need \$350 for the vacation, but she also wants to have over \$100 left in her bank account after the trip. How many weeks should Trisha save?

Trisha should save for _____ weeks.

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5

Charlotte is saving money for a new phone, and she wants to have at least \$545 saved before she goes to buy one. So far, she has saved \$225. She plans to save \$40 each week going forward. In how many weeks will Charlotte have saved enough to buy a phone?

Charlotte will have enough money in _____ weeks.

6

Aaron has \$25 to spend at the carnival. Admission is \$4 and the ride tickets are \$1.25 each. What is the maximum number of ride tickets that Aaron can buy?

Aaron can buy at most _____ tickets.

7

Jamal has a \$50 gift card to his favorite comic book store, Hero Destination. The store is running a deal where all of their comics are \$4.75 each if you buy them online. If the store charges a flat shipping fee of \$7.25, what is the maximum number of comic books Jamal can buy without going over \$50?

Jamal can buy at most _____ comic books.

8

Wyatt bought \$40 worth of materials to make braided keychains. If Wyatt sells his keychains for \$2.50 each, how many keychains must he sell to earn a profit?

Wyatt must sell at least _____ keychains.