

Name _____

**Analyze Word Problems:
Overestimating and Underestimating**

Decide if you should overestimate or underestimate. Solve.

1. Toni is hosting a sleepover for 9 friends. She expects to spend about \$2.95 per guest on food.

a. Should Toni underestimate or overestimate the total cost of the food? Why?

b. Estimate about how much she should plan to spend on food for the party. _____

Solve each problem.

2. Clara wants to find out how long it will take to earn enough money to buy a new skateboard. She walks dogs for \$2.75 per hour. She hopes to walk dogs for about 20 hours each month.

a. Should Clara underestimate or overestimate the amount of money she can expect from dog walking? Why?

b. Estimate how much she might earn in a month. _____

3. Lars can walk to school in 10 minutes against a strong wind. The weather report says there is practically no wind today. Can Lars walk to school in less than 10 minutes? Explain.

Answer Key

**Analyze Word Problems:
Overestimating and Underestimating**

Decide if you should overestimate or underestimate. Solve.

1. Toni is hosting a sleepover for 9 friends. She expects to spend about \$2.95 per guest on food.

- a. Should Toni underestimate or overestimate the total cost of the food? Why?

Possible answer: She should overestimate to be sure she has enough money.

- b. Estimate about how much she should plan to spend on food for the party.

\$30.00

Solve each problem.

2. Clara wants to find out how long it will take to earn enough money to buy a new skateboard. She walks dogs for \$2.75 per hour. She hopes to walk dogs for about 20 hours each month.

- a. Should Clara underestimate or overestimate the amount of money she can expect from dog walking? Why? **Possible answers:**

She should underestimate in case she gets less work than she expects; she may be disappointed if she overestimates.

- b. Estimate how much she might earn in a month.

\$45.00

3. Lars can walk to school in 10 minutes against a strong wind. The weather report says there is practically no wind today. Can Lars walk to school in less than 10 minutes? Explain

Yes. Since there is no wind, it will probably take Lars less time to walk to school.