



MATH
MONKS

Linear Inequalities Word Problems

- 1 Mary works in an office in New York City and makes \$42 per hour. She gets her suit cleaned everyday for \$75. If she wants to save more than \$260 a day, at least how many hours must she work?
- 2 Sam has \$2,450 in his bank account. He spends \$20 each week on grocery. After how many weeks will Sam's account balance fall below \$1,000?
- 3 Ryan can at most spend \$1000 on printing paper and printer ink for his computer. He bought 1 box of paper for \$24.99. If an ink cartridge cost \$19.99, how many cartridges can he buy?

Name : _____

Linear Inequalities Word Problems

Answers

- 1 Mary works in an office in New York City and makes \$42 per hour. She gets her suit cleaned everyday for \$75. If she wants to save more than \$260 a day, at least how many hours must she work?

Ans: 7.976 hours per day

- 2 Sam has \$2,450 in his bank account. He spends \$20 each week on grocery. After how many weeks will Sam's account balance fall below \$1,000?

Ans: 73 weeks

- 3 Ryan can at most spend \$1000 on printing paper and printer ink for his computer. He bought 1 box of paper for \$24.99. If an ink cartridge cost \$19.99, how many cartridges can he buy?

Ans: 49