

Practice - Word Problems Involving Inequalities

Outcome PR-4 Single variable linear inequalities

- 1) The ninth grade class at Pi High is having a fundraiser. They need to raise at least \$1,500. They are selling magazines for \$7 each. How many subscriptions does that class need to sell to meet their fundraising goal?
- 2) Suzy wants to go on her class trip to New York City. If Suzy earns \$8 per hour babysitting, how many hours does she need to babysit in order to raise at least the \$500 needed for the trip?

- 3) Sam has \$2,450 in his bank account. He spends \$20 each week on gas money. After how many weeks will Sam's account balance fall below \$1,000?
- 4) Sarah has at most \$30 to spend at the greenhouse on flowers for her summer garden. Impatiens cost \$2 each and coneflowers are \$3 each. If Sarah buys 8 impatiens, how many coneflowers can she afford?

- 5) Jim and Joyce are saving for their annual vacation. They are going to Hawaii and their plane tickets costs \$2418 total. They have saved \$1804 so far. If they are able to save \$55 per week, how many weeks of saving will it take before they have saved at least \$2418?