

NAME: _____

UNIT 1 • RELATIONSHIPS BETWEEN QUANTITIES

Lesson 2: Creating Equations and Inequalities in One Variable

Problem-Based Task 1.2.2: Free Checking Accounts

The time has come for you to open a checking account. A local bank is offering you a free checking account if you maintain a minimum balance of \$200. You already have a savings account with this bank and you have \$60 saved. You decide to keep saving money until you have enough to open a checking account, plus keep some money in savings. If you deposit \$15 a week into the savings account, what is the minimum number of weeks it will take for you to be able to open a checking account with at least \$200 and still have \$25 in your savings account?

Lesson 2: Creating Equations and Inequalities in One Variable

Problem-Based Task 1.2.2: Free Checking Accounts

Coaching

- What is the minimum amount of money you want to have to open your checking account?
- How much are you depositing each week?
- What inequality can be written to model the scenario?
- What is the solution to the inequality?
- What does the solution of the inequality represent in terms of the context of the problem?