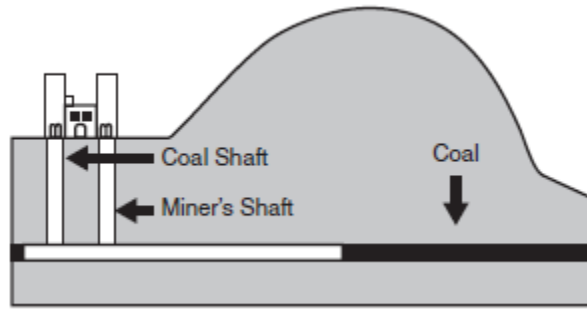


7. Cody, Ty, and Brandon work in a shaft coal mine. The elevator in the mine shaft travels down at a rate of 150 feet per minute. Each day, Ty descends into the mine using a vertical elevator. He rides the elevator straight down into the mine for 4 minutes.



a. Write a number sentence for the situation:

b. How far did Ty travel down into the mine? Express your answer as an integer and in real world terms.

c. If Ty traveled down 1200 feet, how many minutes was he on the elevator? Write a number sentence and then state your answer.

8. Which of the following situations would result in a value of 0? **Explain why.**

- a. Sarah has \$50 and pays \$40 for two pairs of shoes.
- b. Matt sells 22 out of his 24 candy bars.
- c. Grayson earned \$15 for his allowance and then has to pay his \$15 class dues.
- d. Kiki exercises for 30 minutes on Tuesday and then another 30 minutes on Thursday.

9. Use the thermometer at the right to answer the following questions:

a. In South Dakota, the temperature went from -33°F to 50°F . How many degrees did the temperature rise?

b. In Montana, the temperature went from 44°F to -56°F . How many degrees did the temperature fall?

c. In Idaho, the temperature went from 55°F to 8°F . How many degrees did the temperature fall?

