Situation Cards

Situation (ard #1 Brianna receives \$7.50 per hour when she baby-sits the 3 Steigerwald children. If she baby-sits for 4 hours on Saturday night, write an equation to determine how much she will receive. What will she earn if she baby-sits for five and a half hours?	Situation Card #2 Kolleen and Dallin went ice-skating at Seven Peaks with Kolby and Stephanie on Saturday night. They had to pay for tickets, skate rental, and food. You know that the food and skate rental cost \$12 total. You also know they spent \$32 that evening. Write an equation to determine the cost of each ticket. How much did each couple pay?
Situation Lara #3	Situation Lara #4
Tomorrow is your birthday. You want to bring a Snickers bar to each member of your class, including your teacher. If each candy bar is \$.50 and your mom gave you \$12.50 to spend, can you afford enough candy bars for your entire class? Write an equation and solve to find out.	Angie and her five siblings want to go to opening night of an upcoming movie. In order to avoid long lines, Angie decides to purchase their tickets on Fandango.com. Tickets are \$8 each with a \$1 handling fee for each ticket. Her dad gave her \$50 to spend. How many of Angie's siblings can she afford to take to the movie? Write an equation and solve to find out.
Situation Card #5	Situation Card #6
The current temperature is 30 degrees Fahrenheit and is expected to rise 2 degrees per hour for the next several hours. Write an equation that represents the relationship between temperature and time. After how many hours will the temperature be 55 degrees?	Elmbrook Middle School is planning a field trip for the 6 th grade and needs to determine how many busses need to be reserved for that day. Your school has 175 6 th grade students and 5 teachers. Each bus can hold a maximum of 84 people. Write an equation to determine how many busses the school needs to reserve. If you divide the students and teacher evenly, how many people should go on each bus?

Situation Cards

Situation Card #7

Mr. Risch's class is sponsoring a walkathon to raise money for science supplies. Three students found sponsors who are willing to pledge the following amounts.

- Ashley's sponsors will pay \$10 regardless of how far she walks.
- Caroline's sponsors will pay \$3 per mile.
- Donnie's sponsors will make a \$5 donation, plus \$1 per mile.

After creating equations for each pledge plan, decide which plan will bring in the most money if all of the students in the class are planning on walking 8 miles.

Caroline decides to give a t-shirt to each of her sponsors. She is going to use some of the money she collects from her sponsors to cover the \$5 cost of each shirt. If the class decides to use her pledge plan, write an equation to represent the amount of money Caroline will make from each sponsor after paying for the cost of the t-shirts.

Situation Card #8

Emily's mom is hiring a magician for her twelfth birthday party. She obtained several prices for the cost of three magicians.

The Great Cardini charges \$75 an hour.

Dante Fantasio charges \$100 plus \$20 an hour.

Amazing Max charges \$150 plus \$30 an hour.

Write three equations to determine the cost of each magician for two and a half hours. Based on this information, which magician should Emily's mom hire?

Situation Card #9

Natalie wants to purchase an iPod. An electronics store offers two installment plans for buying the \$250 version.

Plan A: A fixed weekly payment of \$10.50.

Plan B: A \$120 initial payment, followed by \$5 per week.

After 12 weeks, how much money will Natalie owe on each plan? Write an equation and solve to find out.

Which plan requires the least number of weeks to pay off the iPod?