CED Around the Room Activity

1. Ms. Boehl is losing all her pencils! She started the year with 150. Each week, several students are borrowing pencils and forgetting to return them. At the end of the school year (36 weeks), she only has 6 pencils left. How many students are borrowing pencils each week? Let s represent the number of students.

2. Sara and her mom figure they need to make at least 85 caramel apples for Apple Fest coming up in LeClaire. They have 37 made already. How many hours will they have to work if they think they can make a dozen an hour? Let h represent the number of hours.

3. Lily's miniature horse, Maverick, got really sick last month and lost half his total weight. Luckily, he has been feeling better and has been able to gain 45 pounds back. If the horse now weighs 135 pounds, what was Maverick's original weight? Let w represent his weight.

4. The math department ordered a set of 10 new graphing calculators in a fancy traveling case for $1235. If the case alone cost $95, how much did each graphing calculator cost? Let c represent the cost of a calculator.

5. Timmy and his friends were playing baseball in the street and broke Mr. Grizzly's front window. The kids knew they didn't have the $135 to replace it. Mr. Grizzly agreed to hire the boys and pay them $20 per week to rake his yard until window was paid for. How many weeks did the kids have to work? Let w represent the number of weeks.

6. Three times the sum of a number and eight is the same as the difference between four and five times that number. Let *n* represent the number.

7. I just spent $120 on a new pair of running shoes. That's 24 more than twice what my sister just spent on a pair of shoes. How much were my sister's shoes? Let *c* represent the cost for her shoes.

8. There are already 340 students in the cafeteria enjoying the PV Homecoming dance. The cafeteria can hold at most 750 people. Assuming everyone coming to the dance comes with a date, how many couples can show up before the cafeteria reaches capacity? Let *c* represent a couple.

9. Three players on PV's football team have miss Friday's game due to injuries. 1/8 of the team also has to sit out of the game due to missing Thursday's practice. How many players are on the football team if a total of 9 players cannot play on Friday? Let *p* represent the number of players on the team.

10. You are trying to convince your parents to buy you a car. They don't think you are responsible enough, so tell you that you need to come up with at least $1000 of the money on your own. You already have $185 saved up and babysit every Friday night. If you make $50 every Friday night, how many times do you need to babysit before you will be able to tell your parents to get you that car? Let *b* represent each time you babysit.