4. Erin went to the amusement park and paid $7.00 just to get in. She also bought six cotton candies for herself and her five friends. She spent $31.00 total at the amusement park. Write an equation to find the cost of each cotton candy, then solve it.

5. Jerome has $28 in his pocket. He wants to buy as many candy bars as he can for $1.75 each. Write and equation to show how many candy bars he can buy, then solve it.

6. Grace bought a book for $8 and some pencils that cost $.50 each. She spent a total of $18. Write and solve an equation to determine how many pencils she bought.

7. Brian sold half of his Pokémon cards. The next day, he bought 10 more. Now he has a total of 50 cards. Write and solve an equation to determine how many Pokémon cards he had before he sold any.

Practice Solving Proportions

Show all your work/thinking. Check your solutions …How *do you undo division?!*

1. $\frac{w}{35} = \frac{4}{7}$	**2.** $\frac{9}{2} = \frac{m}{12}$
3. $\frac{11}{6} = \frac{x}{28}$	**3.** $\frac{z}{15} = \frac{17}{4}$
5. $\frac{3}{14} = \frac{102}{x}$	**6.** $\frac{5}{y} = \frac{15}{75}$
7. $\frac{6}{r} = \frac{3}{r-2}$	**8.** $\frac{x-4}{x+3} = \frac{5}{6}$

"The importance of information is directly proportional to its improbability." -- Jerry Pournelle