Valentine's Day Word Problems (G)

Name: _____   Date: _____

Solve each problem in the space provided.

13. On Valentine's day, 80% of the boys and 60% of the girls wore either pink or red. There were 250 students in the school and 54% were girls. How many boys and how many girls wore pink or red on Valentine's Day? What percentage of the students wore pink or red?

14. Sienna was scheduled to perform Rachmaninoff's Piano Concerto No. 2 at the Valentine's Day concert. In order to learn and practice the piece, she spent two hours a day at the piano every day in January and the first 13 days of February. In the end, she played it perfectly, got a standing ovation and received a bouquet of flowers. How many minutes did she spend learning and practicing the piece?

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Boys: $250 \times 0.46 = 115$

Girls: $250 \times 0.54 = 135$

Boys in pink or red: $115 \times 0.80 = 92$

Girls in pink or red: $135 \times 0.60 = 81$

% Students in pink or red:

$(92 + 81) \div 250 \times 100 = 69.2\%$

92 boys and 81 girls (or 69.2% of students) wore pink or red on Valentine's Day.

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31 days in January plus 13 days in February is 44 days of practice. 44×2 hours per day $= 88$ hours.

88 hours is $88 \times 60 = 5280$ minutes.

Sienna spent 5280 minutes learning and practicing the piece.

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