- 1. #1 shows the cake divided into an equal number of pieces. Each girl will get 4 pieces of cake.
- 2. \$30.00 / day 7 days = \$210.00
  \$.22 / km 230 km = \$50.60 mileage total cost = 210.00 + 50.60 = \$260.60
- 3. Profit = 38.10 (12.00 + 6.33 + 2.46 + 4.50) = 12.81

Each boy gets  $12.81 \div 3 = 4.27$ 

4.

Time	8:00	8:01	8:02	8:03	8:04	8:05
No. of boys	1	5	9	13	17	21

Time	8:06	8:07	8:08	8:09	8:10
No. of boys	25	29	33	37	41

41 boy scouts left for the fair at 8:10.

Extra Credit Rule: number of boys = 4 (number of minutes after 8) + 1

5.

L after it flipped

→ 90° counterclockwise

Extra Credit area = 13 • 15 = 195 square feet of carpet

The border material requires the perimeter: 13 + 15 + 13 + 15 = 56 feet

\*The magic numbers are the sum of the correct answers.