## Planning the Safety Fair: Total Costs

**1.** The following table will provide a summary for all of the costs of the safety fair. Fill in both columns to find the total cost of the safety fair at Location #1 and Location #2.

	Location #1 (City Park)	Location #2 (High School)
Location	\$390	\$384
Booths	\$792	\$714
Advertizing	\$1163	\$1163
Prizes	\$264	\$264
Total	\$2609	\$2525

2. Which costs will be the same for each location?

The advertising and prize costs will be the same.

3. Which costs will be different for each location?

The location and booth costs will be different.

**4.** Based on information from the table, what can you use the expression 2609 – 2525 to calculate?

The difference in the cost between Location #1 and Location #2.

**5.** You decide to budget \$2,700 for the fair to be sure you can cover all of the costs. Your organization will save for one year (12 months) to pay for the fair. It will save the same amount each month. Use repeated multiplication and subtraction to show how much money the organization needs to save each month to have enough to pay for the fair after 12 months.

 $2700 - (12 \times 200) = 300$  $300 - (12 \times 20) = 60$  $60 - (12 \times 5) = 0$ 200 + 20 + 5 = 225 dollars

**6.** How much less money would your organization need to save each month if it saves for 15 months rather than 12?

 $2700 - (15 \times 100) = 1200$   $1200 - (15 \times 50) = 450$   $450 - (15 \times 30) = 0$  100 + 50 + 30 = 180 dollars 225 - 180 = 45 dollars less each month