



# Girl Scouts

## Doing good for others



Your Girl Scout troop has decided to complete a service project for your local library. Your troop needs to provide a craft for 200, 5-6 year olds that the library will use during story hour of *The Hungry Hungry Caterpillar*. Your troop has decided to have the kids make these caterpillar pens. It is your job to calculate the cost. Your troop has budgeted \$55 for the project. Can the troop afford this? Use the table below to help figure the cost.

*To learn more about the Girl Scouts visit Girl Scouts of the Western Reserve, Inc. Girl Scouts of North East Ohio. 345 White Pond Drive. Akron OH 44320-1155  
[www.girlscoutswr.org](http://www.girlscoutswr.org)*

- Eyes (bag of 100) - \$1.19
- Pens (bag of 10) - \$.59
- Pompoms (bag of 100) - \$3.09
- Leaves (bag of 25) - \$.79
- Green tape (1 roll) - \$.99
- The library will provide the glue.

### Directions for the project:

1. Wrap the stem of the leaf with green tape around the pen.
2. Glue on the pompoms and eyes as pictured.

Item	Number of items per pen	Number of items for 200 crafts (Multiply column 1 by 200)	Number of bags needed (Divide column 2 by the number sold in each bag)	Cost (Multiply the number of bags needed by the cost per bag)
Eyes	2	$200 \times 2 = 400$	$400 \div 100 = 4$	$4 \times \$1.19 = \$4.76$
Pens	1			
Pompoms	4			
Leaves	1			
Green tape	.....	.....	5 rolls needed	$5 \times \$0.99 = \$4.95$

To find the total cost for the project add all the costs from the last column together. Can your troop afford the project if the budget is \$55? \_\_\_\_\_

**5-7 Benchmark:** Communicate mathematical thinking to others and analyze the mathematical thinking and strategies of others

