

Idita-Math Challenge

Grades 6 - 8

Create a budget for a 12-dog kennel. Form groups of five students. Divide responsibilities for the budget between the students in the group. Suggested budget categories are listed below. Ask the students to brainstorm items for each category. Once the group has established the items for each category, the students go to work individually to explore products and costs for the items in the category for which they are responsible. Resources for information about dog care and equipment include mushers, mushing suppliers, veterinarians, family members, friends, Anchorage Daily News, Mush with P.R.I.D.E., Iditarod's Guide to the Last Great Race, and various Internet sites.

CATEGORY	ITEMS
Dog Supplies	
Dog Care	
Sled & Equipment	
Training Equipment	
Dog Yard	

Final Product:

- 1) **Create a group portfolio** - include the following
 - Research for each category – available products, costs, your recommendations & reasons.
- 2) **Create a spread sheet** – include the following
 - a. A budget figure for items in each category –
What it will cost for 12 months to support & train the dogs.
 - b. A monthly breakdown for each category -
How much to set aside each month to operate this 12 dog recreational kennel.
 - c. A monthly figure for combined categories –
Adding the monthly budget for each category together.
 - d. Demonstrate how various cost figures can be placed in a cell with the spreadsheet automatically recalculating the budget amount.
- 3) **Class presentation** – include the following
 - a. Each group should elect a spokes person to introduce the group and present the over all annual and monthly budget figure for the 12-dog kennel..
 - b. Individual members of the group should present specific information about the items in their category.
 - c. Individual members should also present annual/monthly costs for their category.
 - d. Share the formulas used within your spreadsheet for calculation of category, item, annual and monthly costs.