

Student Problem Solvers

Students who solve problems presented in *delta-K* will have their solutions and names published. The students listed below submitted solutions to the problems appearing in Volume 26, Number 2, June 1987. The solution reaching the editor's desk first was submitted by Craig Langston, a Grade 6 student at Parkmeadows School in Lethbridge. Congratulations to Craig and all of the problem solvers.

Craig Langston
John Quantz
Shannon Boutland
Lindy Provost
Cynthia Wolf Child
Denise Sawchyn
Cobey Farmer
Jim Nelsson
Suzanne Strachan
Jennifer Edwards
Tania Janzen

G.R. Davis
Lennie Melvin
Trenna Waldie
Tany Wadsworth
Amber Dersch-Schneider
Heather Moulton
Carrie Scout
Tyson Voik
Jason Myers
Christie Welsh
Julie Magson

For readers who missed the previous issue, here are the original problems, together with Craig Langston's solutions.

Final Clearance

—by Kevin J. Sherratt

Problem

Near closing time on the last day of a sporting goods liquidation, only \$800 worth of equipment was yet to be sold: 1 canoe @ \$160, 3 tents @ \$80, 5 sleeping bags @ \$40, 6 camp stoves @ \$20 and 8 bush knives @ \$10.

The next five customers each spent \$160, clearing out the last pieces of equipment. From the given clues, find the items that each customer bought.

CLUES

- Brad picked up neither bush knives nor tents.
- Doris bought at least one piece of four different kinds of equipment.
- Andy and Brad each bought 5 items.
- Carla bought at least one knife.

Solution

—by Craig Langston

- Andy has 1 tent @ \$80, 1 sleeping bag @ \$40, 1 camp stove @ \$20, 2 bush knives @ \$10 = \$160.

- Brad has 3 sleeping bags @ \$40, 2 camp stoves @ 20 = \$160.
- Carla has 1 tent @ \$80, 2 camp stoves @ \$20, 4 bush knives @ \$10 = \$160.
- Doris has 1 tent @ \$80, 1 sleeping bag @ \$40, 1 camp stove at @ \$20, 2 knives @ \$10 = \$160.
- Eric has 1 canoe @ \$160 = \$160.

- 1 canoe = \$160
- 3 tents = \$ 80
- 5 sleeping bags = \$ 40
- 6 camp stoves = \$ 20
- 8 bush knives = \$ 10

Tutors

—by Karen M. Gibling

Problem

From the following clues, determine on which day of the week each student tutors.

CLUES

- Jane tutors later in the week than Tony does.
- Jane's day is earlier in the week than Bob's day.
- Frank will tutor on a day that is later in the week than Cathy's.
- Frank will tutor earlier than will Bob.
- Frank, Cathy and Bob will not tutor on Monday.
- Frank cannot tutor on Thursday.

Solution

—by Craig Langstron

Monday	Tuesday	Wednesday	Thursday	Friday
Tony	Cathy	Frank	Jane	Bob