<u>Tim & Susan's Budget Tasks</u>

Data Analysis
And
Provide a Solution
From
Given Data

1. School Shopping



I'm Susan. Would you help me pick one of these three stores to buy my school supplies? Here is my shopping list. Susen's Shopping List

- 3 Ball Point Pens
- 1 TI-35 Calculator
- 7 100 page hotebooks
- 1 bottle of 8 oz Giue
- 2 TONS OF CIGAT tape
- 2 Erasers
- 10 No. 2 Pencits
- # 1 inch binders

- 1 USB Stick 5gb
- 1 box of a Color Mark-
- 919
- 1 Stapler
- 1 Planher Book
- 1 Protractor
- 1 COmpass
- 1 Bottle Liquid Paper

Walt-Mark

Ball Point Pen	\$0.50
TI-35 Calculator	\$28.00
100 page noteboo	k\$1.80
8 oz Glue	\$1.20
Clear tape	\$2.40
Eraser	\$0.90
10 No. 2 Pencils	5.99
2 inch binder	\$1.25
USB Stick 5gb	\$9.50
8 Color Markers	\$4.55
Stapler	\$4.20
Planner Book	\$3.90
Protractor	\$1.00
Compass	\$1.75
Liquid Paper	\$2.00

Dollar Trap

Ball Point Pen	\$0.40
TI-35 Calculator	\$33.00
100 page notebook	\$1.00
8 oz Glue	\$.80
Clear tape	\$1.40
Eraser	\$0.20
10 No. 2 Pencils	\$.59
2 inch binder	\$3.25
USB Stick 5gb	\$14.00
8 Color Markers	\$2.55
Stapler	\$2.20
Planner Book	\$5.00
Protractor	\$2.00
Compass	\$2.00
Liquid Paper	\$1.00

Office Repo

Ball Point Pen	\$1.40
TI-35 Calculator	\$31.00
100 page noteboo	k\$2.00
8 oz Glue	\$1.50
Clear tape	\$2.40
Eraser	\$0.80
10 No. 2 Pencils	\$2.59
2 inch binder	\$2.15
USB Stick 5gb	\$13.00
8 Color Markers	\$6.00
Stapler	\$3.00
Planner Book	\$8.00
Protractor	\$1.00
Compass	\$1.00
Liquid Paper	\$3.00

Some hints:

- Read every detail in both people's comments and their shopping list.
- Use a spreadsheet to calculate the total cost of the shopping list for using each person.
- Make a bar chart showing the three company's total price for Susan and another chart for Tim.

I'm Tim. Would you help me pick one of these three stores to buy my school supplies? Here is my shopping list.

Tim's Shopping List

- 5 Ball Point Pens
- 1 TI-35 Calculator
- 4 100 page hotebooks
- 7 200 pago notobaona
- 1 bottles of 8 oz Glue
- 1 rolls of Clear tape
- 1 Erasers
- 10 No. 1 Pencis
- 12 inch binders

- 1 USB Stick agb
- 1 box of 8 Color Markers
- 2 Bottle Liquid Paper



2. Cat or Dog?



I'm Susan. Would you help me choose a pet? I love both cats and dogs equally but I would like to spend as little money as possible each year. Compare these expenses in a spreadsheet and show me your answer. Create a graph.

Humane Society Pets Adoptions!

All dogs \$50 All cats \$90

The small print:

All pet adoptions include vaccinations, spaying and neutering.

Cat Accessory list

Collar	\$2.00
Small ID tag	\$4.50
Food and water bowl	\$7.00

The small print:

Buy one of each of these for my pet.

Dog Accessory list

Collar (large)	\$2.50
Large ID tag	
Food and water bowl	\$7.00

The small print:

Buy one of each of these for my pet.

Cat Supplies list

Box of cat food \$11.00 Kitty Litter \$8.00

The small print: Buy two of each of these for my pet each month.

Dog Supplies list

Bag of dog food...... \$21.00 Dog treats \$3.00

The small print: Buy two of each of these for my pet each month.

Some hints:

- Read every detail in both people's comments and the small print of each box.
- Use a spreadsheet to calculate the total cost of ownership for owning each pet for one year (12 months).
- Make a bar chart showing the first year's total price for a dog and a cat.

3. Three vacations



I'm Susan. Would you help me pick one of these three vacations? My husband and I like all three vacation ideas, but we want to spend as little as possible. We will fly, stay five nights and four days. Tell me which of these will cost the least?

Caribbean Cruire

\$555 per person

All inclusive meals and entertainment. Leaves from Miami. Air fare not included.

Orlando Theme Parke

Theme Park Tickets: Disneyland \$99 Universal Studios \$95 Sea World \$85 Busch Gardens \$85

The small print

No car rental. Hotel \$105 / night. Food estimate \$50 per person per day.

The small print:

Chicago Mureum Tour

Museum Tickets:

Natural History \$18 ea Chicago Museum of Art \$25 Science Museum \$15 Museum of Broadcast History \$9

The small print

Car rental \$40 / day. Hotel \$120 / night. Food estimate \$50 per person per day.

Air Fare Rates

Miami \$350

SALE! Orlando \$100

..................

Chicago \$280

Each ticket is a round trip fare.

Some hints:

- 1. Read every detail in both people's comments and the small print of each ad.
- 2. Each printer has an initial cost plus a cost per page.
- 3. Use a spreadsheet to calculate the total cost of ownership for using each printer for Susan and another cost for Tim.
- 4. Make a bar chart showing the three company's total price for Susan and another chart for Tim.

I'm Tim. Would you help me pick one of these three vacations? My wife and two children and I like all three vacation ideas, but we want to spend as little as possible. We will fly, stay five nights and four days. Tell me which of these will cost the least?



4. Clear up the printer confusion!

I'm Susan. Would you help me pick one of these three printers? I plan to print about 15 pages each day (five days per week) for the next year. I want the total cost to be as low as possible. I expect the printer to last two years.

> I'm Tim. Would you help me pick one of these three printers? I plan to print

printer to last two years.

Eprilon

Ink Jet Technology

Only \$29

The small print:

Each set of cartridges will print about 200 color pages.

Heavy Package

Portable Laser Technology

Only \$149

The small print:

Each set of cartridges will print about 1000 color pages.

Zero

Workgroup Laser Printer

Only \$549

The small print:

Each set of cartridges will print about 11,000 color pages.

Supplier

Epsilon Ink Set \$40



HP Toner Set \$90

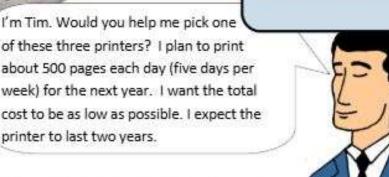


Zero Toner Set \$370

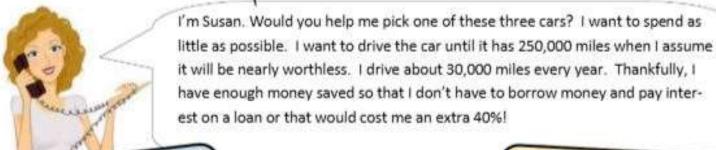


Some hints:

- 1. Read every detail in both people's comments and the small print of each ad.
- 2. Each printer has an initial cost plus a cost per page.
- 3. Use a spreadsheet to calculate the total cost of ownership for using each printer for Susan and another cost for Tim.
- 4. Make a bar chart showing the three company's total price for Susan and another chart for Tim.



6. Choose from Three Cars





Cadillac Ercalade

SUV

\$72,000

The small print:

420 HP Engine, 17 MPG, \$3100 / year insurance, Sales Tax \$7,200. License \$450 / year.

I'm Tim. Would you help me pick one of these three cars? I want to spend as little as possible. I want to drive the car until it has 250,000 miles when I assume it will be nearly worthless. I drive about 30,000 miles every year. I need to borrow money, so estimate an extra 40% to the price of each car.

Some hints:

- Read every detail in both people's comments and the small print of each ad. Use regular gasoline
 for all your gasoline calculations.
- 2. Be sure to calculate the initial costs and recurring costs separately.
- Use a spreadsheet to calculate the total cost of ownership for the lifetime of each car for Susan
 and another set of costs for each car for Tim.
- 4. Make a bar chart showing the three car's total price for Susan and another chart for Tim.

