

Key Words to use while writing your Pseudocode

Communicating with the User

- **Ask User:** “*Question*”
- **Get:** *Variable that will contain answer*
 - Always follow-up an “Ask” with a “Get”
- **Tell User:** “*Statement*”

Performing a calculation

- **Calculate:** *value that needs to be calculated*
 - E.g. **Calculate:** Tax or **Calculate:** Grand Total
- Worksheet must also contain the **key formula** for the value be calculated
 - E.g. Tax = Sub-Total * Tax Rate
 - E.g. Grand Total = Sub-Total + Tax Amount

Branching – if-then-else

- **Evaluate** (*expression to be evaluated*)
 - E.g. Evaluate: is Grand Total > 100?
- **Determine** (*expression to be evaluated*)
 - E.g. Determine: is Grand Total > 100?
 - “Determine” may be used as an alternative to “Evaluate”
- Use **nested numbering** to denote the yes / true path vs. the no / false path.
 - Always put the yes / true path first, then the no path, E.g.
 1. Determine: is Grand Total > \$100?
Yes: 1.A Give user a price discount
No: 1.B Charge user the full price

Branching – case / switch statements

- **Perform action Based On Variable**
 - E.g. Set Price **Based On** Product-Selected
 - E.g. Set Letter-Grade **Based On** Number-Grade
 - E.g. Set Discount Amount **Based On** Day-of-the-Week
- Follow-up the above statement with a table showing the different applicable actions based on the value contained in the variable, including the “default” option if applicable,
 - E.g. Set Price **Based On** Product-Selected

Product-Selected	Price
Shirt	\$5
Pants	\$25
Gloves	\$10

Key Words to use while writing your Pseudocode

- E.g. Set Discount Amount **Based On** Day-of-the-Week

Day-of-the-Week	Discount Amount
Tuesday	10%
Wednesday	10%
Thursday	10%
Default	0%

- E.g. Tell user what prize they've won **Based On** Number-Selected-By-User

Number-Selected-By-User	Tell User
1	"You have won a large prize"
2	"You have won a medium prize"
3	"You have won a small prize"
Default	"You have not won any prize"

Looping

- **Repeat** <number> **times**:
 - *Action to be repeated*
- **While** (expression to be evaluated) **Do**:
 - *Action to be repeated*