**Produce Contractor Cost Summaries**

Set Material Prices

Set Sidewalk Dimensions

Set Contractor Prices

Compute Square Footage of Sidewalk

Compute Contractor 1 Cost

Compute Volume Needed of Each Material

Compute Costs of Each Material

Compute Contractor 2 Cost

Display Contractor 1 Cost

Display Contractor 2 Cost

**Set Material Prices**

Set gravelPrice to $10.19 per cubic yard

Set concretePrice to $73.21 per cubic yard

**Set Sidewalk Dimensions**

Set sidewalkLength to 115 feet

Set sidewalkWidth to 4 feet

Set gravelDepth to 0.5 feet

Set concreteDepth to 1.0 / 3.0 feet

**Set Contractor Prices**

Set contractor1SqFtPrice to $7.19

Set contractor2FullPrice to $2,683.00

**Compute Square Footage of Sidewalk**

Set sidewalkSqFt to sidewalkLength \* sidewalkWidth

**Compute Contractor 1 Cost**

Set contractor1Cost to sidewalkSqFt \* contractor1SqFtPrice

**Compute Volume Needed of Each Material**

Set gravelVolume to sidewalkSqFt \* gravelDepth / 27.0 cubic yards

Set concreteVolume to sidewalkSqFt \* concreteDepth / 27.0 cubic yards

**Compute Costs of Each Material**

Set gravelCost to gravelVolume \* gravelPrice

Set concreteCost to concreteVolume \* concretePrice

**Compute Contractor 2 Cost**

Set contractor2Cost to contractor2FullPrice + gravelCost + concreteCost

**Display Contractor 1 Cost Summary**

Display “Square Feet: “, sidewalkSqFt to user

Display “Contractor 1 Cost: $ “, contractor1Cost to user

**Display Contractor 2 Cost Summary**

Display “Gravel Volume: “, gravelVolume to user

Display “Concrete Volume: “, concreteVolume to user

Display “Contractor 2 Cost: $ “, contractor2Cost to user