

EXERCISE: Calliper

2
1

B
B

ITEM NO.	PART NUMBER	PartNo	QTY.	Cost - Manufacturing Cost	Total Part Cost
1	Part1	402365	1	100	100
2	Part2	635954	1	150	150
3	Part3	856325	1	20	20
4	Part4	458255	2	25	50
5	Part5	21563	1	25	25
6	Part6	966585	1	40	40
7	Part7	554856	1	30	30
8					415

A
A

2
1

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF THE COMPANY. IT IS TO BE KEPT CONFIDENTIAL AND NOT TO BE DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF THE COMPANY. VIOLATION OF THIS NOTICE IS A CRIME.

UNLESS OTHERWISE SPECIFIED:		UNITS	DATE
DIMENSIONS ARE IN INCHES	TOLERANCES	DECIMAL	
FINISHES	AS SHOWN		
ASSEMBLY	BY HAND		
WELDING	AS SHOWN		
PAINT	AS SHOWN		
OTHER	AS SHOWN		

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR MANUFACTURE	

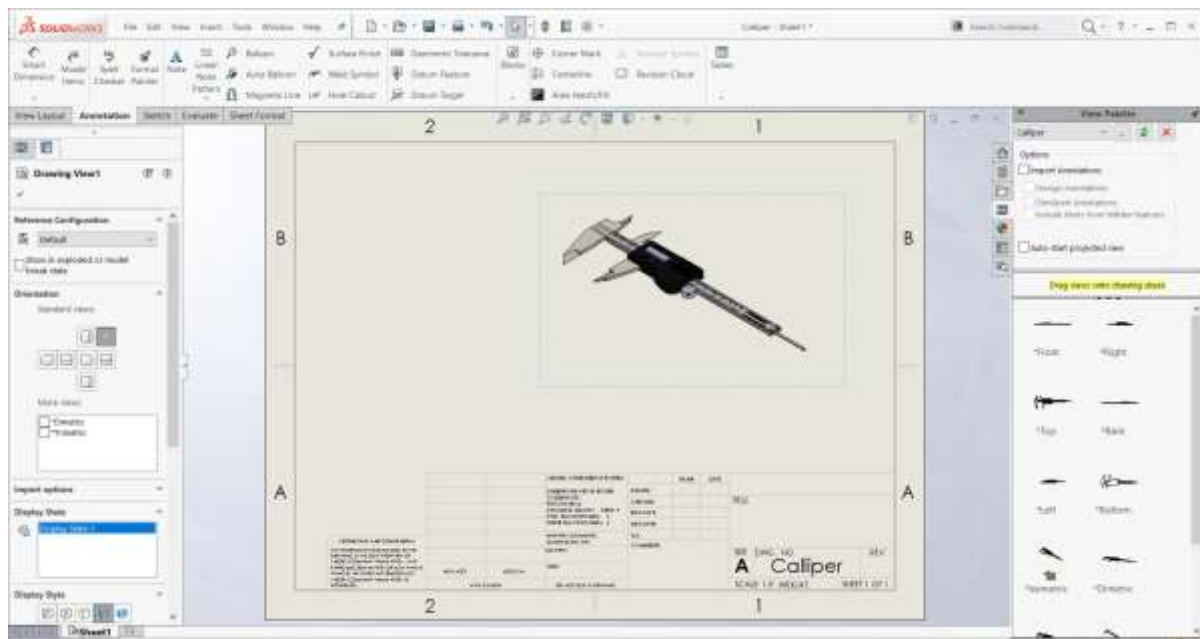
TITLE:

SCALE: 1:1 **WEIGHT:** **SHEET 1 OF 1**

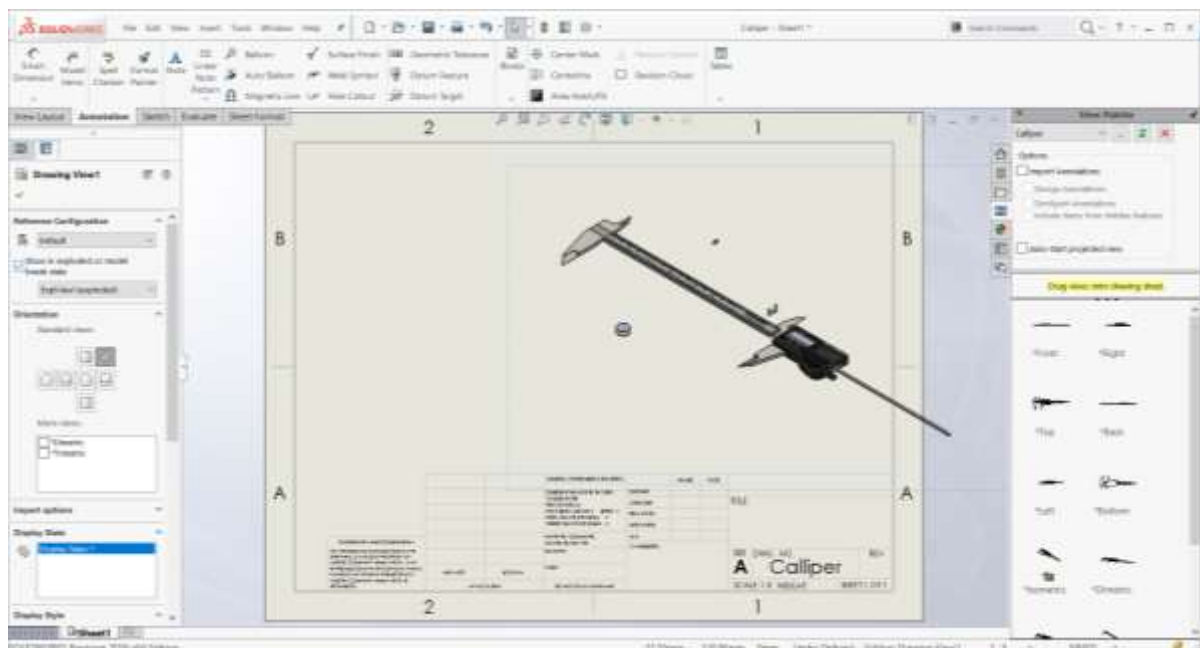
This exercise covers:

1. Exploded View
2. Auto Balloon
3. Design Table

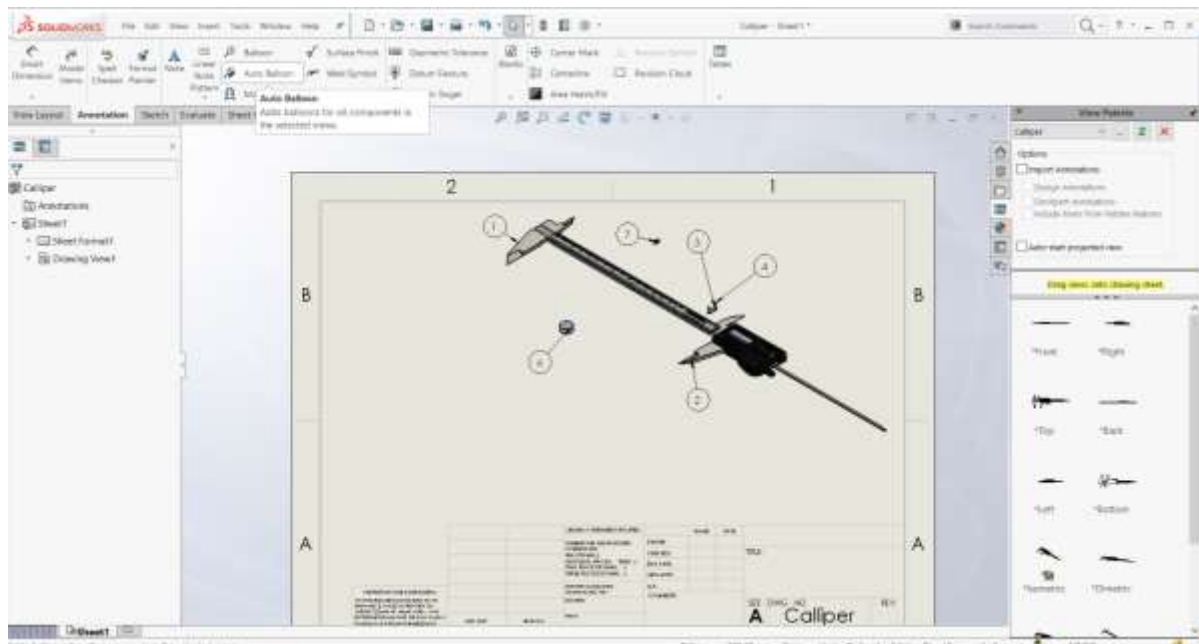
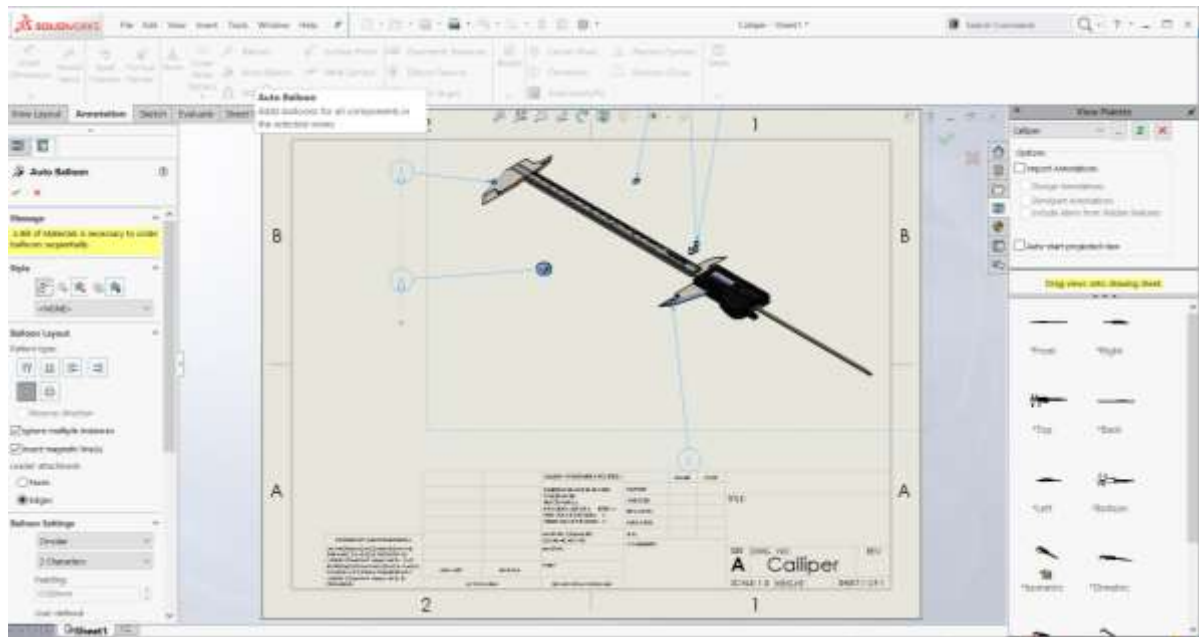
1. Open a **new a-landscape sheet** and insert **isometric view**. Adjust scale 1:2.



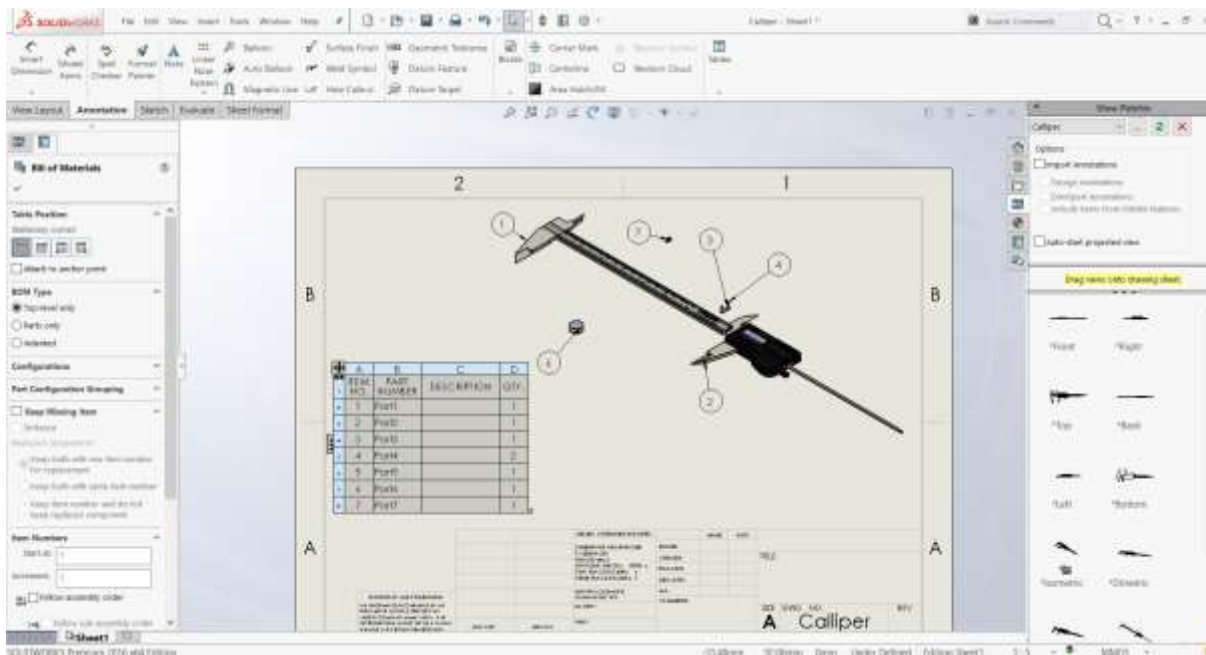
2. On the left side under Reference Configuration check Show in exploded or model break state.



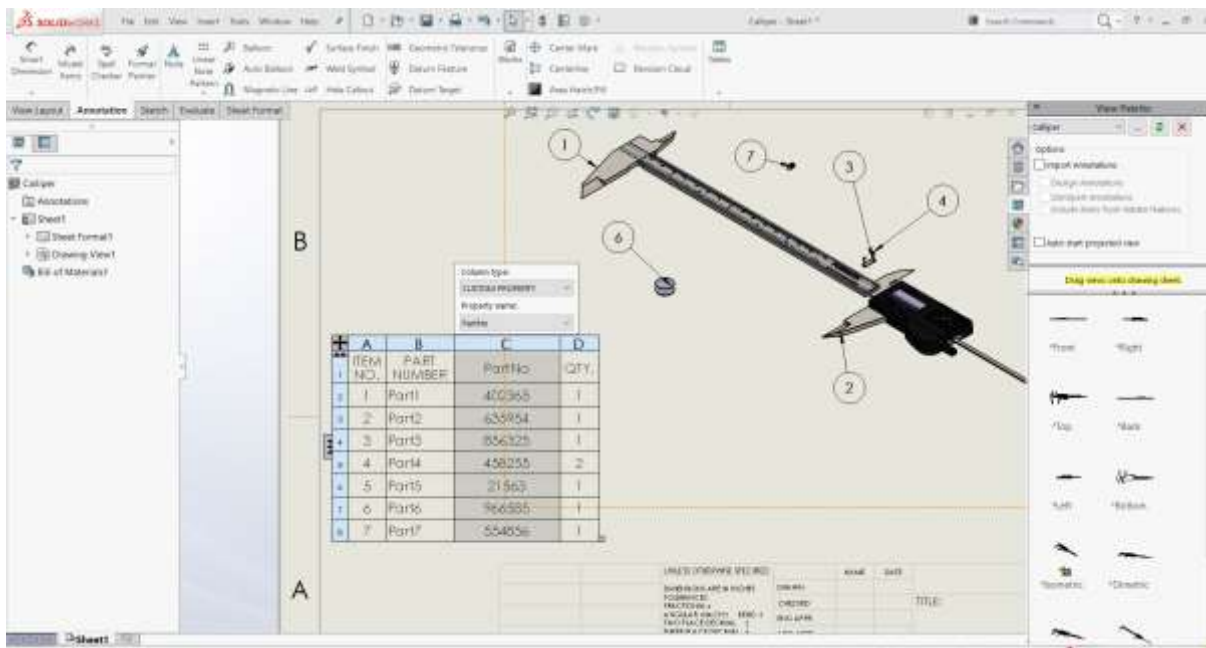
3. Add **balloons** for all components by clicking on Auto Balloon.



4. Insert **Bill of Materials** table with default options.



5. Replace column Description with column Part Number.



6. Add a new column on the right Cost – Manufacturing Cost.

The screenshot shows the SolidWorks interface with a drawing of a caliper. A table is overlaid on the drawing, listing parts and their manufacturing costs. The table has five columns: Item No., Part Number, PartNo, QTY, and Cost - Manufacturing Cost. The data is as follows:

Item No.	Part Number	PartNo	QTY	Cost - Manufacturing Cost
1	Part1	402365	1	100
2	Part2	635954	1	150
3	Part3	856325	1	20
4	Part4	458255	2	25
5	Part5	21563	1	25
6	Part6	966585	1	40
7	Part7	554856	1	30

The drawing also includes a title block with the text "Calliper" and "SCALE: 1:1".

7. Create a new column Total Part Cost.

The screenshot shows the SolidWorks interface with a drawing of a caliper. A table is overlaid on the drawing, listing parts and their manufacturing costs. The table has six columns: Item No., Part Number, PartNo, QTY, Cost - Manufacturing Cost, and Total Part Cost. The data is as follows:

Item No.	Part Number	PartNo	QTY	Cost - Manufacturing Cost	Total Part Cost
1	Part1	402365	1	100	
2	Part2	635954	1	150	
3	Part3	856325	1	20	
4	Part4	458255	2	25	
5	Part5	21563	1	25	
6	Part6	966585	1	40	
7	Part7	554856	1	30	

The drawing also includes a title block with the text "Calliper" and "SCALE: 1:1".

8. Create an **equation** which will calculate total part cost. Equation will multiply Quantity and Cost-Manufacturing Cost.

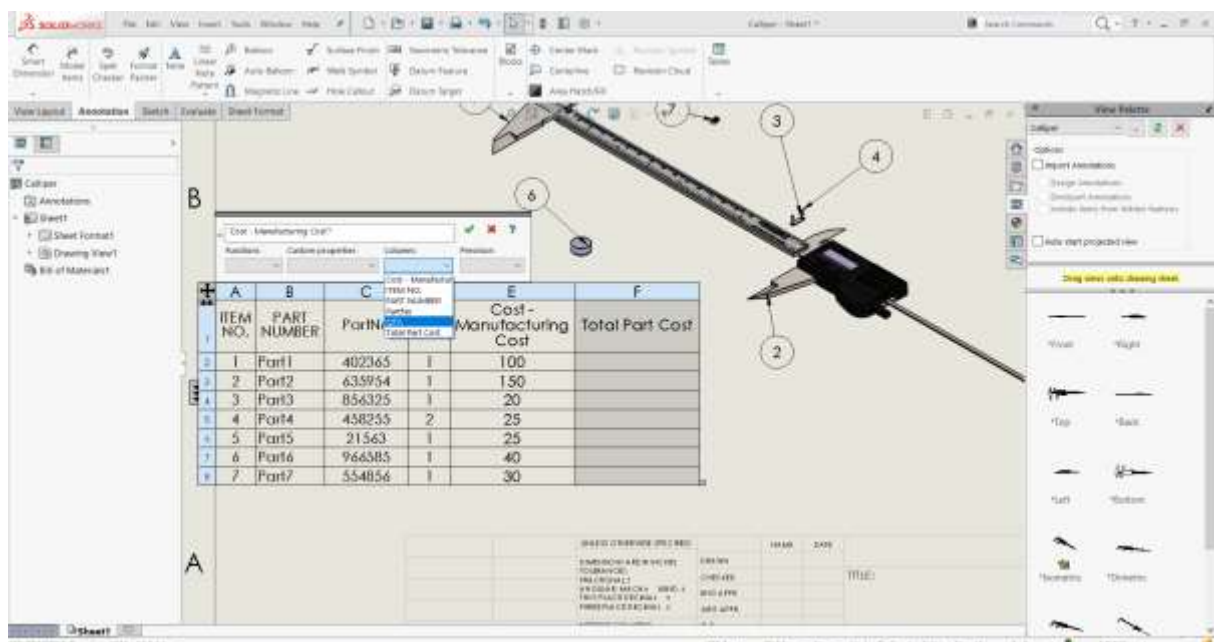
Choose equation.

ITEM NO.	PART NUMBER	PartNo	QTY	Cost-Manufacturing Cost	Total Part Cost
1	Port1	402365	1	100	
2	Port2	635954	1	150	
3	Port3	856325	1	20	
4	Port4	458255	2	25	
5	Port5	21563	1	25	
6	Port6	966585	1	40	
7	Port7	554856	1	30	

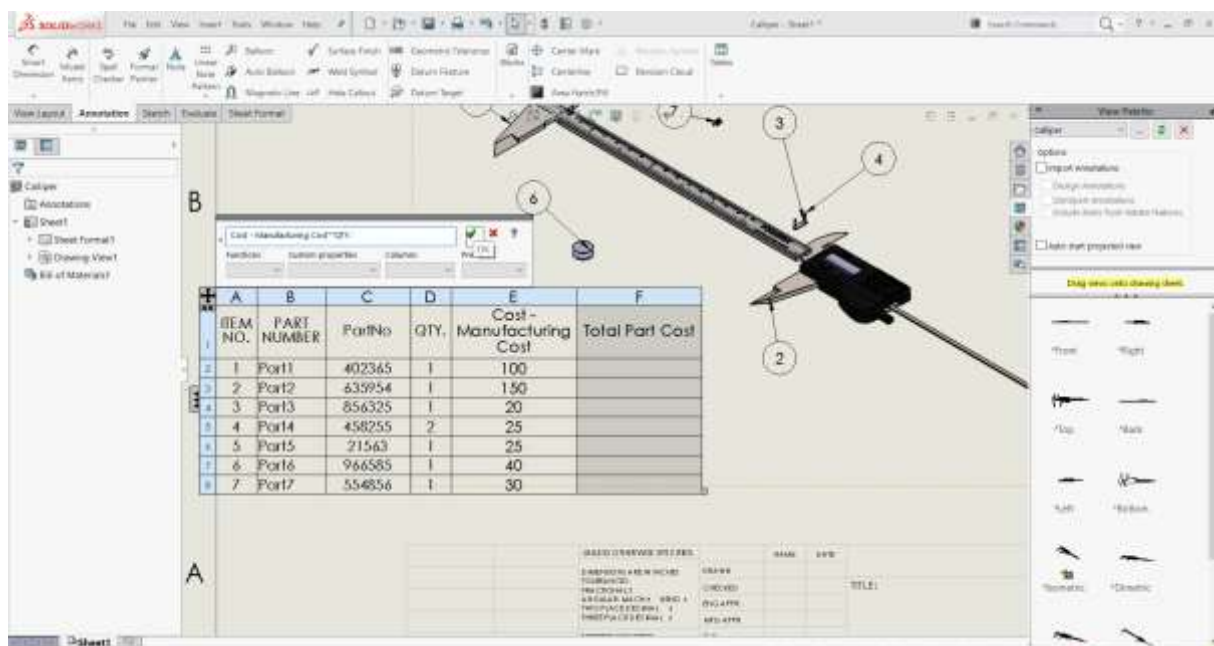
Choose Cost – Manufacturing Cost.

ITEM NO.	PART NUMBER	PartNo	QTY	Cost-Manufacturing Cost	Total Part Cost
1	Port1	402365	1	100	
2	Port2	635954	1	150	
3	Port3	856325	1	20	
4	Port4	458255	2	25	
5	Port5	21563	1	25	
6	Port6	966585	1	40	
7	Port7	554856	1	30	

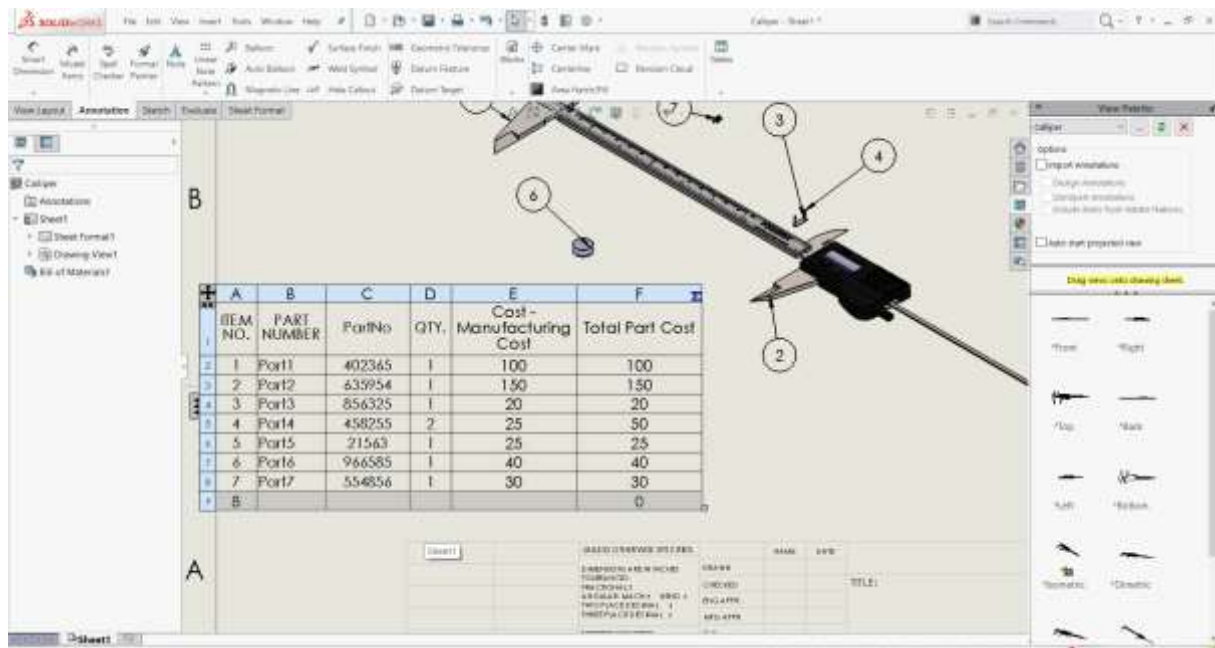
Type in **Asterix (*)** and choose QTY.



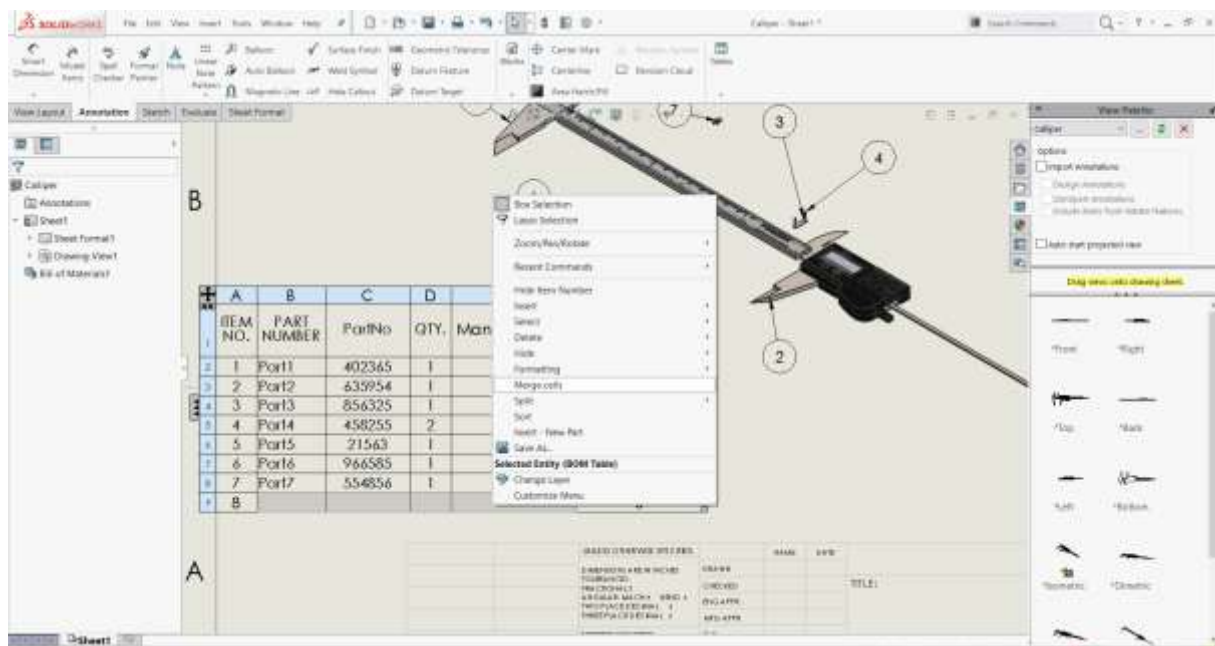
Click **OK**.



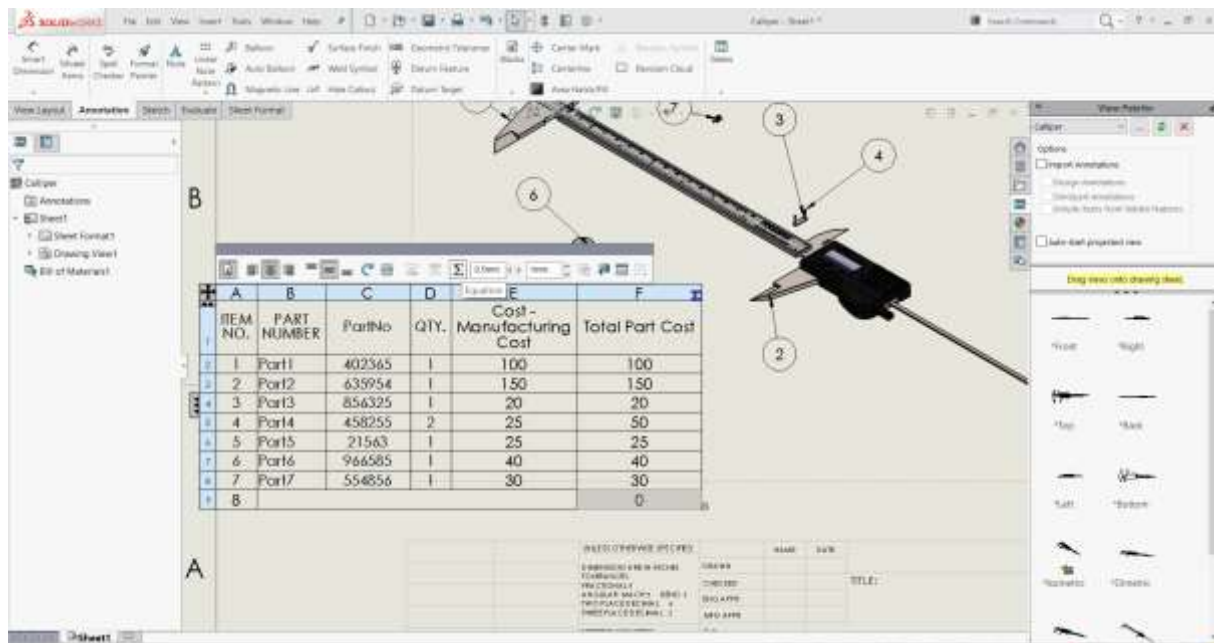
9. Insert a row below.



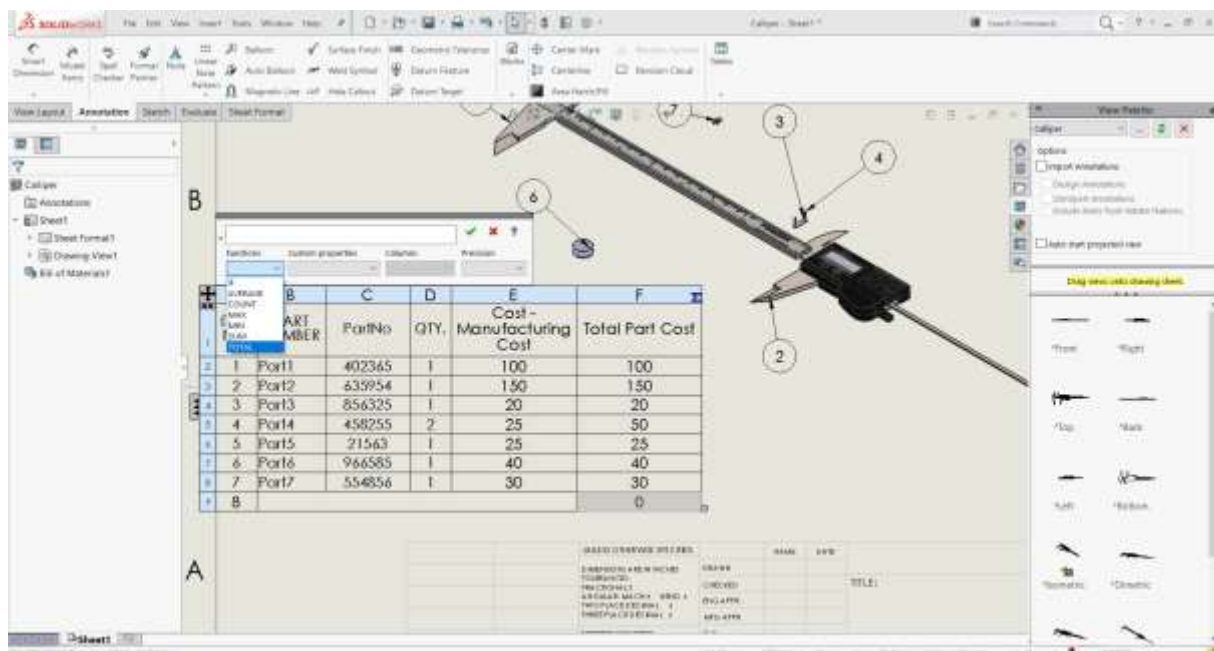
Select **four cells**, right click and choose Merge Cells.



Left click on the cell (right below) and choose **equation**.



Under function choose **TOTAL** and click OK.



FINAL LOOK!

