### Muda of Correction/ Rework

- Definition: Remocessing, Repairing or reworking
   Definition: Remocessing, Repairing or reworking
- **Result:** Higher costs of materials, equipment, floor space & labor. May hide the true defect rate.



# Muda of Transportation Definition: from Notesale Definition: from 15 of 71 Previous parts or product. Conveyance is in

- incidental required action.
- Result:

Increased labor costs. Adds risk of defects due to wrong moves, dropped product, etc.



#### Identification of Waste (MUDA)

- Seven types of waste 11
  Mudaiel Waiting
  Muda of Overproduction
  Muda of Rework

  - Muda of Motion
  - Muda of Processing
  - Muda of Inventory
  - Muda of Transportation

To eliminate waste it must first be identified

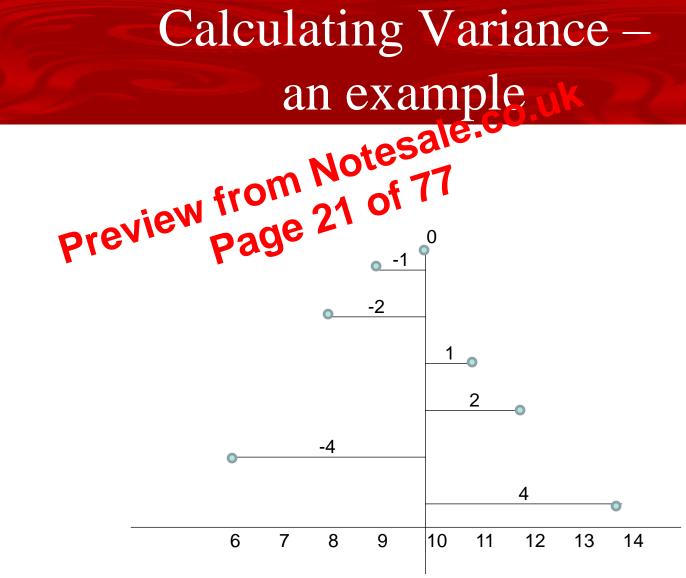


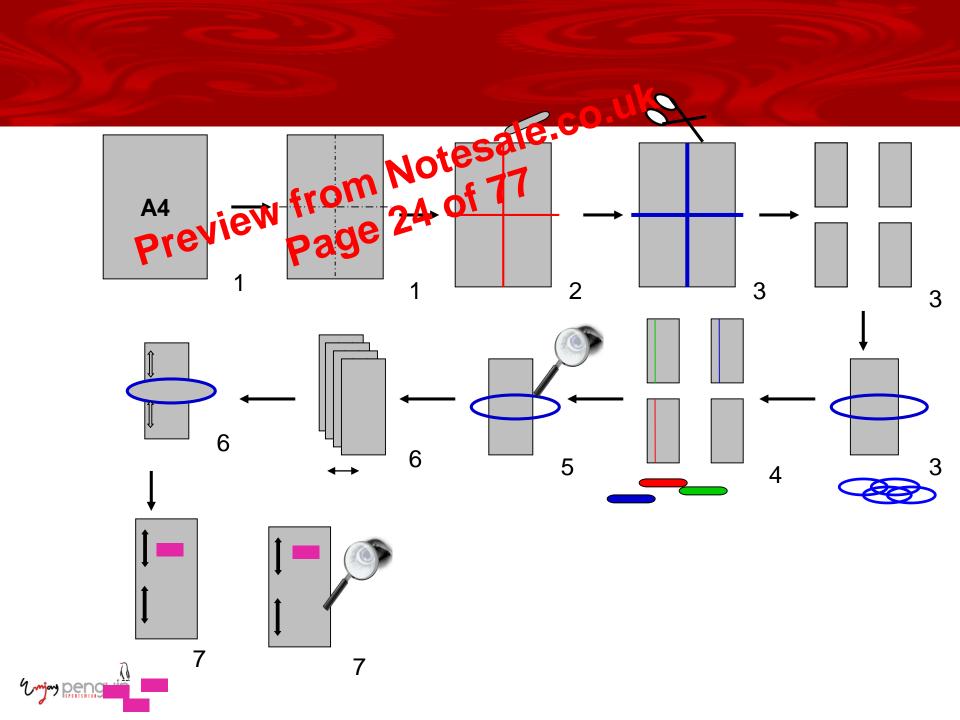
### Calculating Variance – an example w

Image: Notestar         Xi – X bar           Image: Notestar         Image: Notestar           Image: Notestar         Xi – X bar           Image: Notestar         Image: Notestar           Image: N								
lioN	fror	20 of	Xi – X bar					
preview	pag	<b>e</b> 10	0					
-	2	9	-1					
	3	8	-2					
	4	11	1					
	5	12	2					
	6	6	-4					
	7	14	4					
	Σ	70						
	n	7						
	X bar	10						



## Calculating Variance –

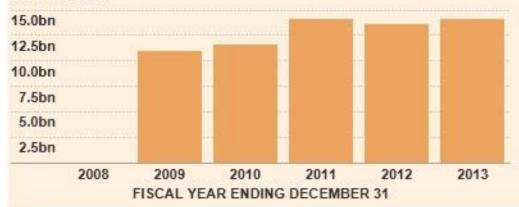




#### **GE – General Electric**



#### NET INCOME



Return on assets	2.31%
Return on equity	11.93%
Return on investment	2.56%

#### Scoping

Scoping is executed where the Spectre Business Problem is too broad <u>Scoping Tools</u> <u>Qualitative Tools</u> - Page

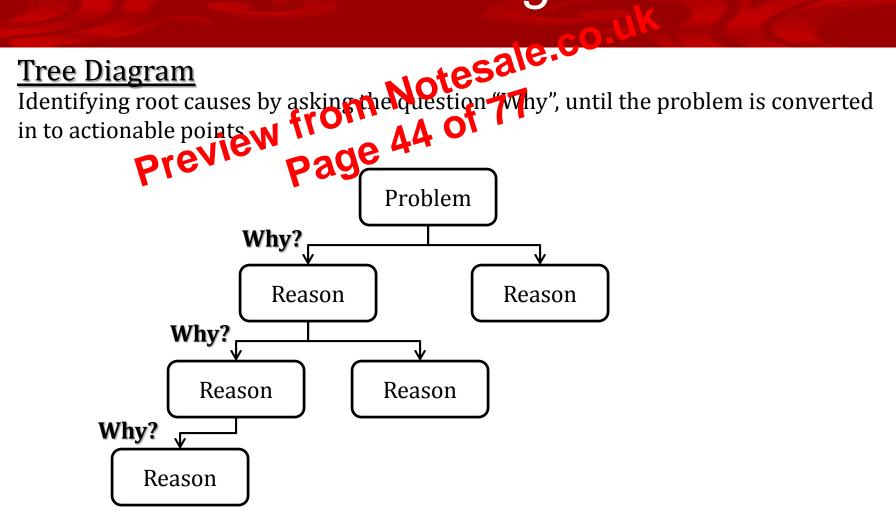
> Affinity Diagram Tree Diagram Fish bone Diagram (Cause & Effect Diagram)

<u>Quantitative Tools</u> -

Pareto Chart

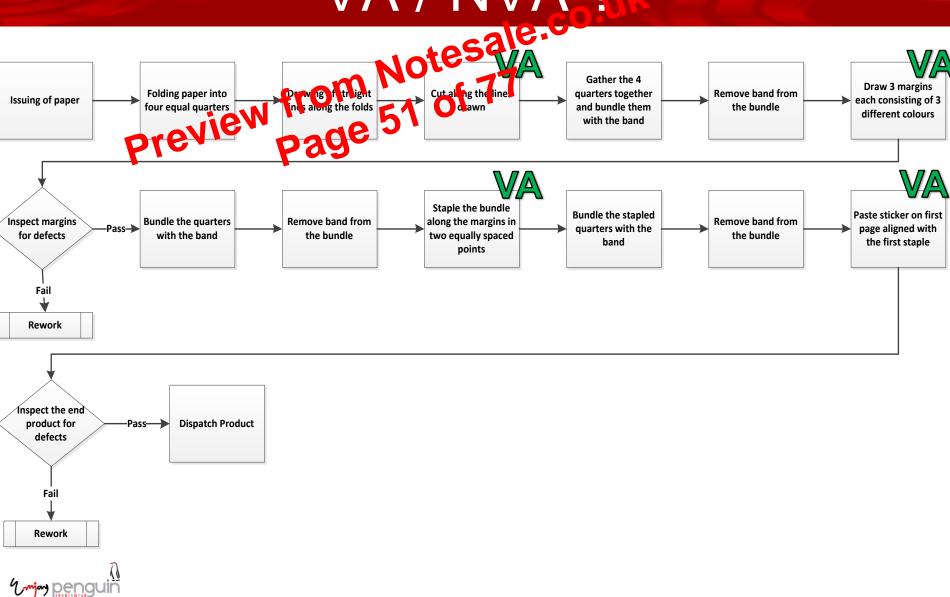


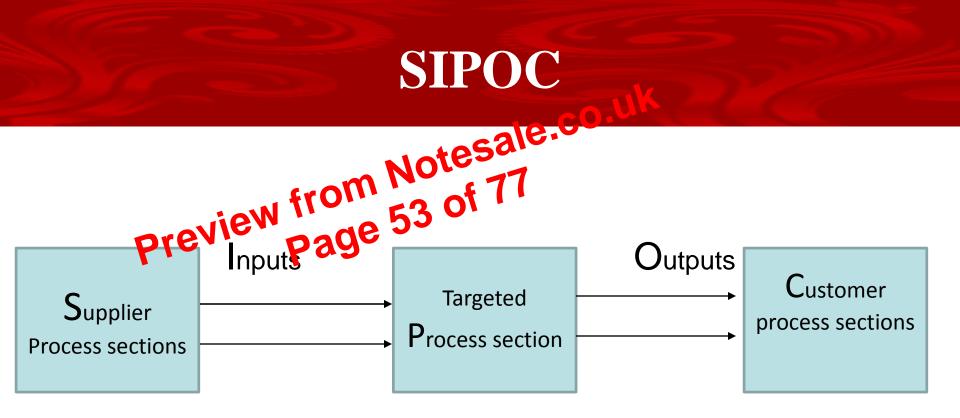
#### Tree Diagram





#### VA/NVA?







Process Function	Potential Failure Mode	Potential	Perity	Potential Cause(s)	O (occurrence rating)	Current Process Controls	D (detection rating)
The highest value process steps from the C&E matrix.	m what	the effect of each failure mode on the outputs and/or customer requireme nts?	How Severe is the effect to the customer ? 0 – Lowest 10 - Highest	Describe in terms of something that can be corrected or controlled. i.e., root causes.	How often does the cause or failure mode occur?	What are the existing controls and procedure s ,that either prevent failure mode from occurring or detect the failure should it occur?	How well can you detect cause or Failure Mode? 10 - Lowest 0 - Highest

