

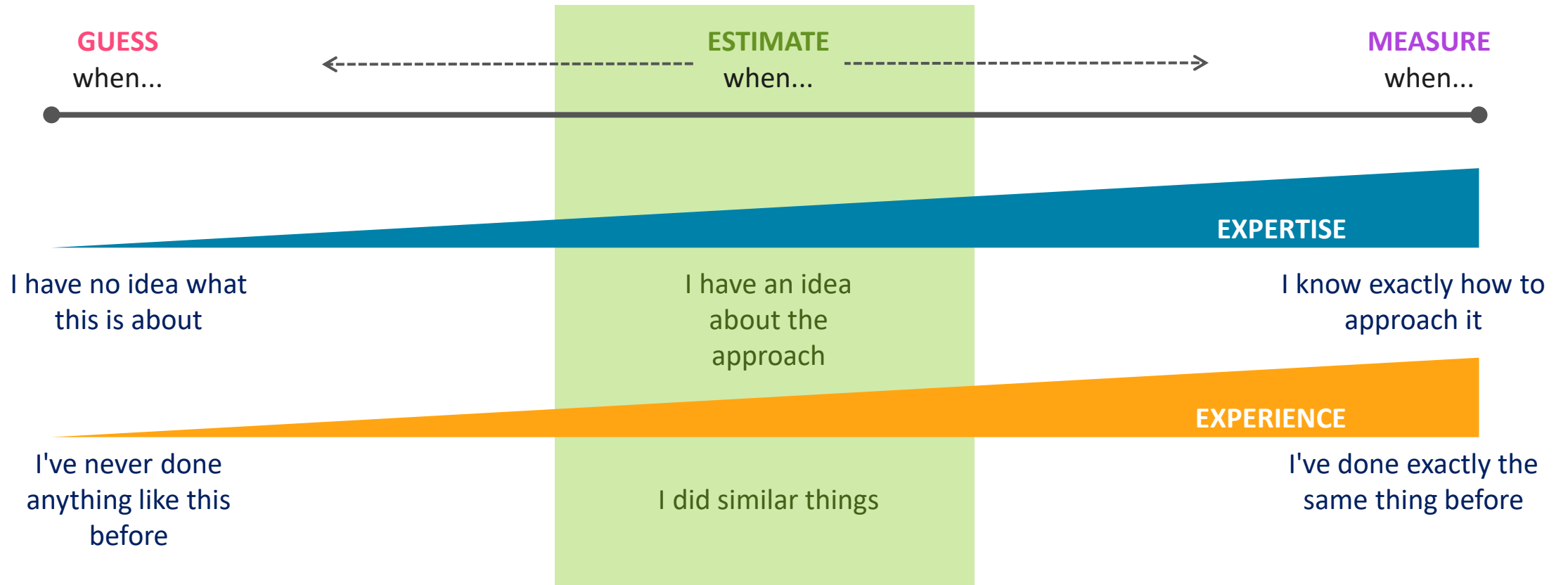
## AGILE SOFTWARE DEVELOPMENT

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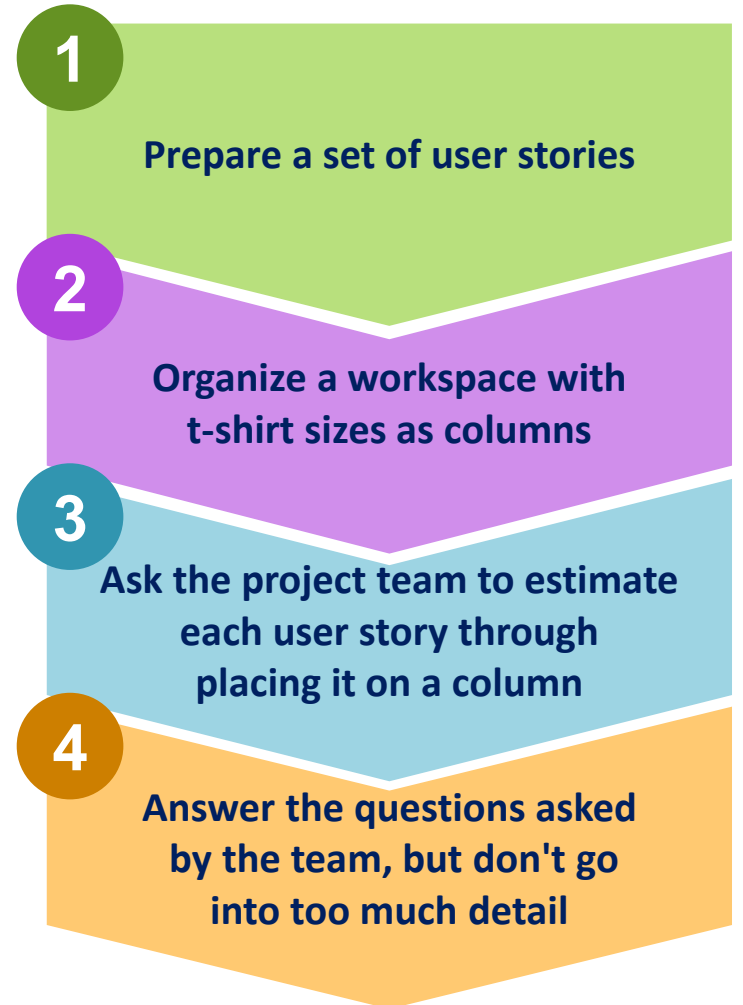
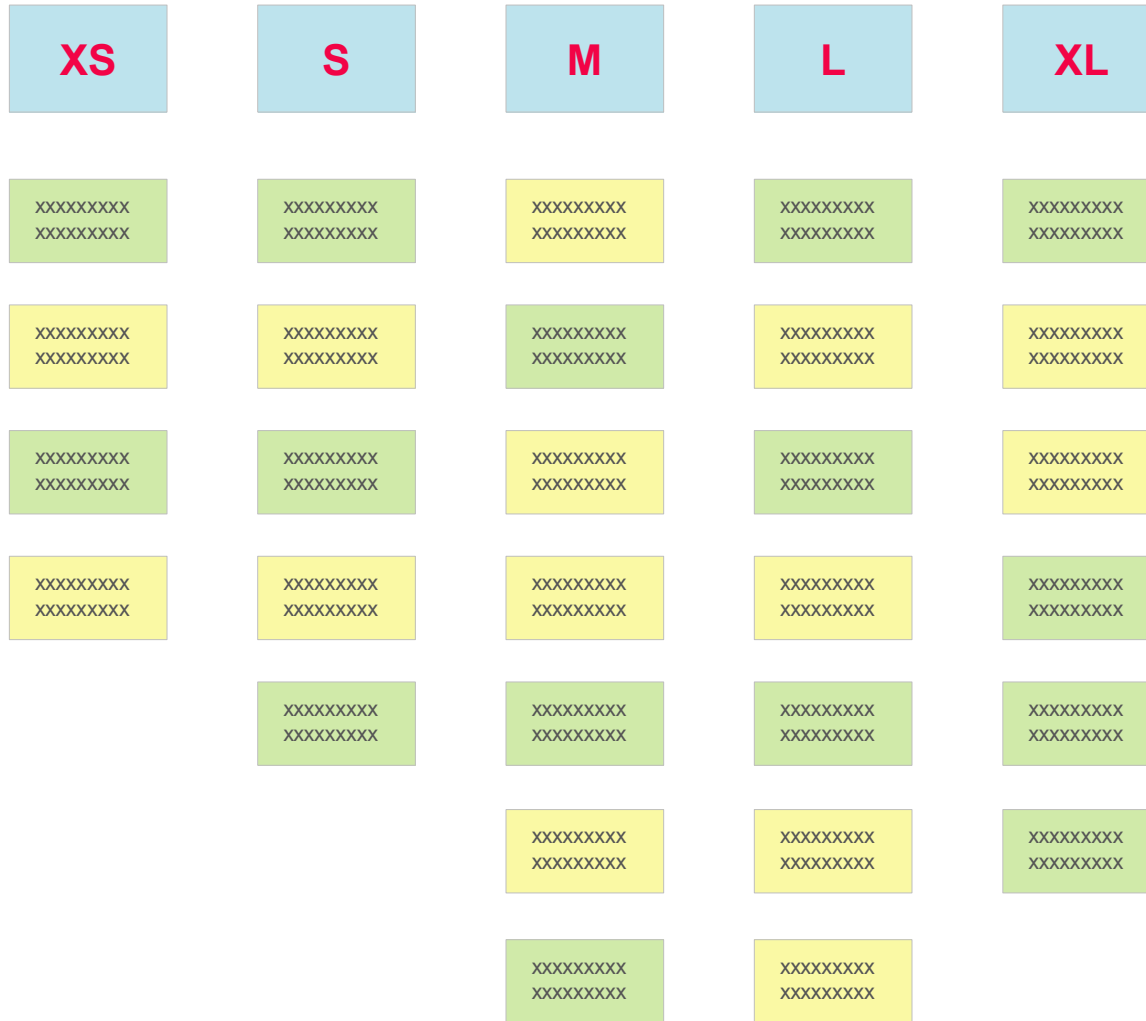
## Agile Estimation Techniques

# What is estimation?



**Cambridge Dictionary:** *a guess or calculation about the cost, size, value, etc. of something*

# White Elephant Sizing



# White Elephant Sizing

5

## Prepare a second round using the Fibonacci sequence

6

**Ask the project team to refine the estimates**

7

## Calculate the total size of the project user stories

8

**Calculate the time  
estimated to complete  
using tolerance intervals**

		XS		S		M		L		XL	
		1	2	3	5	8	13	20	40	60	100
TOTAL	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX
		XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX		XXXXXXXX XXXXXXXX	
		XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX			
		XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX					
		XXXXXXXX XXXXXXXX		XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX					
	1	10	12	25	40	39	40	40	120	100	
						±25% => interval [254, 424]					
TOTAL						427 SP		342 - 512 SP			

# Complicated

# Complex



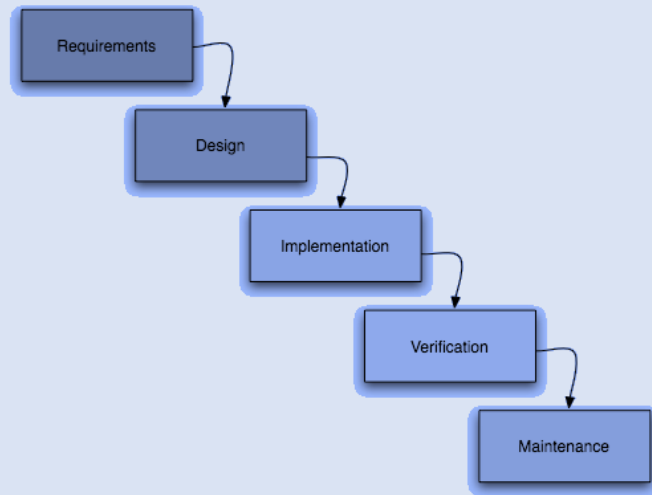
# Complicated



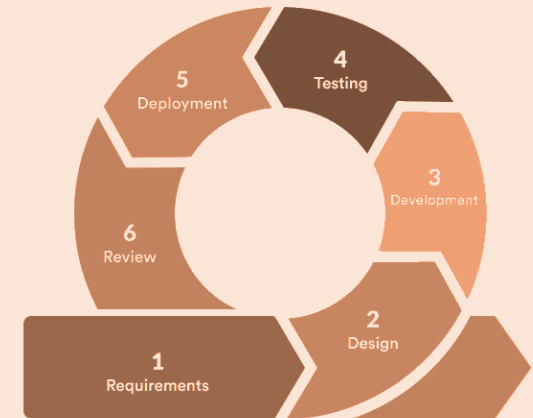
# Complex



# Complicated



# Complex



# Estimation

## Individual



Complicated

## Collective



Complex



# Estimation

Concrete



Abstract



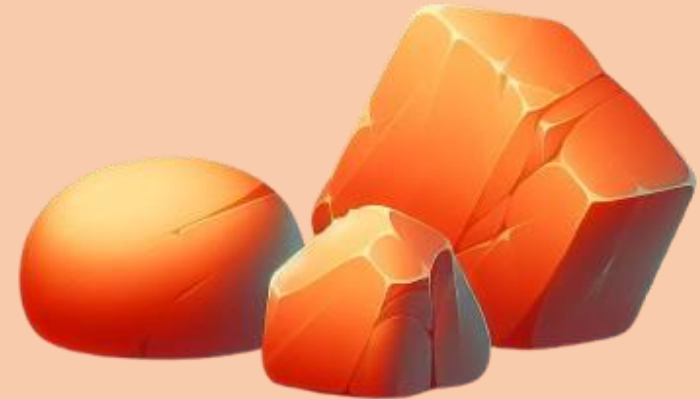
Complicated Complex

# Estimation

Absolute



Relative



Complicated

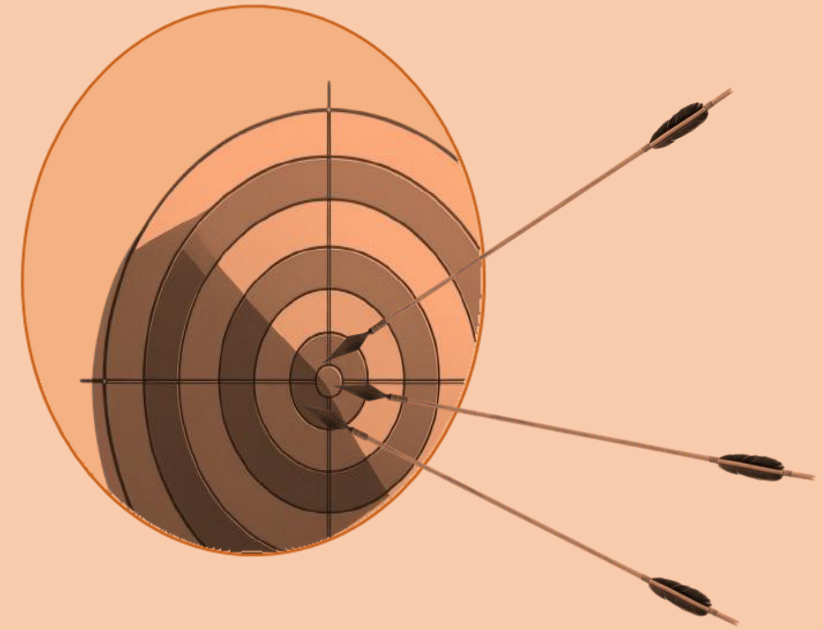
Complex

# Estimation

Precise



Accurate



Complicated Complex

[illegible]

Collective  
Abstract  
Relative  
Accurate