

## TIDE RISE AND FALL CYCLE

Tide Range = Maximum movement of sea, either as a rise or fall in one tidal half cycle (6hours)

### BASIC FORMULAE

Tide Rise or Fall = 1 + 2 + 3 + 3 + 2 + 1 of range of rise or fall whatever the value

FOR EXAMPLE on a rising tide, tide will rise in:

1 <sup>st</sup> hour	1/12 of range	(if this be say 12')	..rise = 1 foot
2 <sup>nd</sup> hour	3/12 of range	(if this be say 12')	..rise = 3 feet
3 <sup>rd</sup> hour	6/12 of range	(if this be say 12')	..rise = 6 feet
4 <sup>th</sup> hour	9/12 of range	(if this be say 12')	..rise = 9 feet
5 <sup>th</sup> hour	11/12 of range	(if this be say 12')	..rise = 11 feet
6 <sup>th</sup> hour	12/12 of range	(if this be say 12')	..rise = 12 feet

### EXAMPLE OF 12 FOOT RANGE TIDE IN GRAPH FORM

