

C12 - 5.5 - Ferris Wheel WS

A Ferris wheel with radius 12 m is 2 m off the ground. It takes 20 seconds for one complete revolution. Draw a diagram of the Ferris wheel, graph the height of a passenger starting at the bottom with a table of values and write the equation. How high at 6 second in. How many seconds above 18m in one cycle.

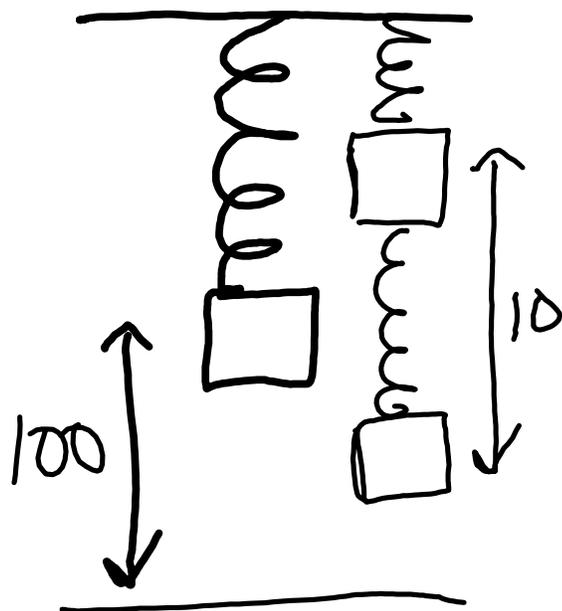
A Ferris wheel with radius 14 m is 1 m off the ground. It takes 30 seconds for one complete revolution. Draw a diagram of the Ferris wheel, graph the height of a passenger starting at the bottom with a table of values and write the equation. How high at 10 second in. How many seconds above 25m in one cycle.

C12 - 5.5 - Tide HMK

Graph and find Equation. High tide of 20 m at noon, Low tide of 8 m at 6:30 pm. Find depth at 1:12 pm.
Find time above 10m in one cycle.

Graph and find Equation. High tide of 18 m at 10am, Low tide of 2 m at 4:24 pm. Find depth at 7:30 am.
Find time above 12m in one cycle.

C12 - 5.5 - Trig Spring



t	h
0	100
.5	105
1	100
1.5	95
2	100

$$T = 2$$

$$\frac{P}{4} = \frac{2}{4} = 0.5$$

