Quadratic Application: (Factoring)

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h = -0.2n + 7.2n + 1.5, where n is the number of years since 1990. Use the Quadratic Formula to determine when 20% of the population will have high speed Internet.

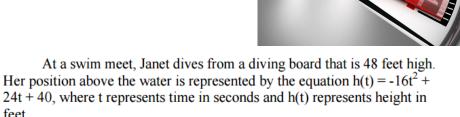


At a swim meet, Janet dives from a diving board that is 48 feet high. Her position above the water is represented by the equation $h(t) = -16t^2 +$ 24t + 40, where t represents time in seconds and h(t) represents height in feet.

After how many seconds does Janet enter the water? (y=o)

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