

The JETS Challenge

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Challenge 63 – The Heart Beat Challenge

Problem:

On average, a human heart beats 70 times per minute. The average life expectancy today is about 75 years.

How many times does the typical heart beat in a typical lifetime?

Solution:

$$\frac{x \text{ beats}}{1 \text{ yr}} = \frac{70 \text{ beats}}{1 \text{ min}} = \frac{60 \text{ min}}{1 \text{ hr}} = \frac{24 \text{ hr}}{1 \text{ day}} = \frac{365 \text{ days}}{1 \text{ yr}} = 36,792,000 \text{ beats/1 year}$$

Beats in 75 years = 2,759,400,000 beats in a lifetime