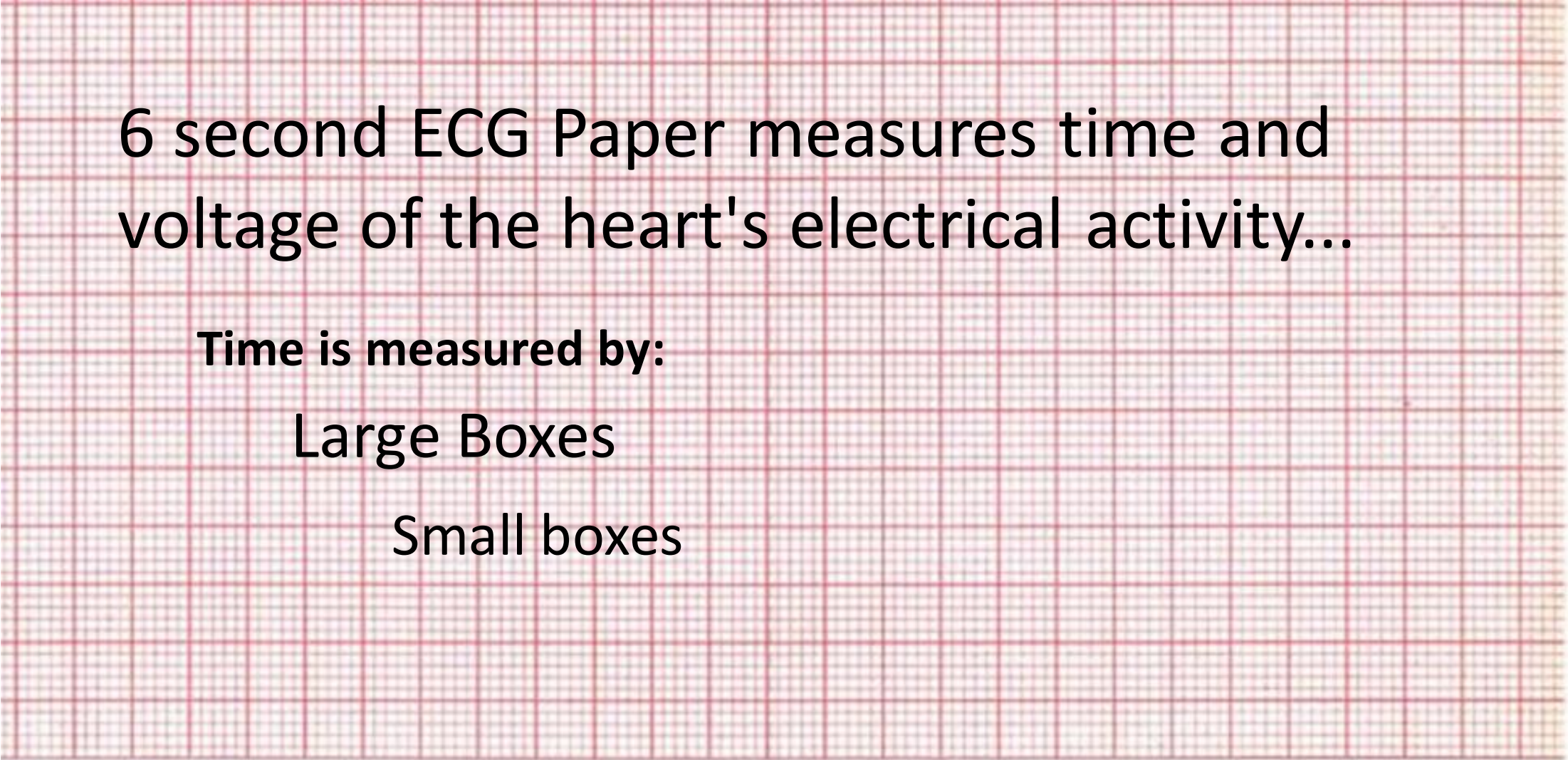


# ECG Graph Paper

Audra Xenakis, BSN, RN

Health & Illness III



The background of the slide is a standard ECG grid, consisting of a series of small squares and larger squares formed by thicker lines.

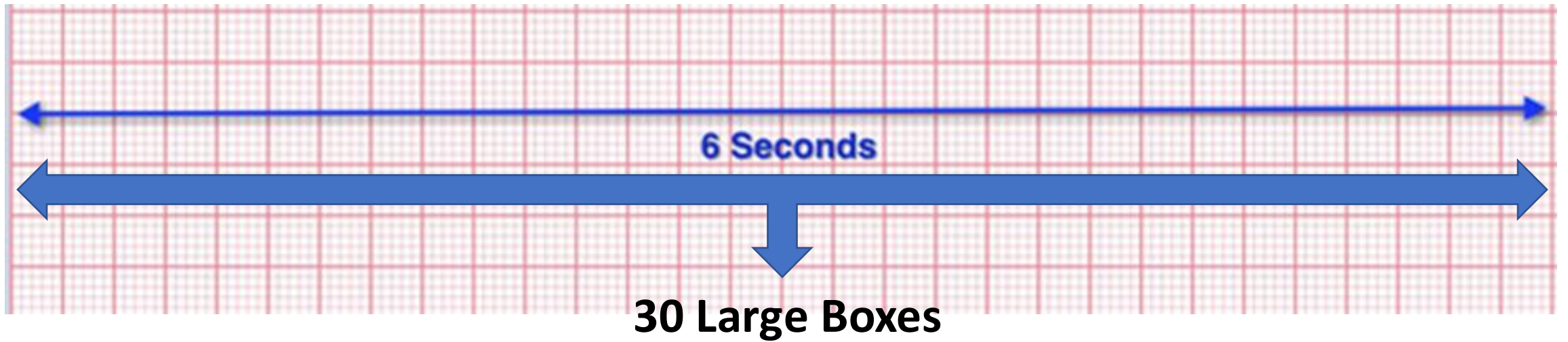
6 second ECG Paper measures time and voltage of the heart's electrical activity...

**Time is measured by:**

Large Boxes

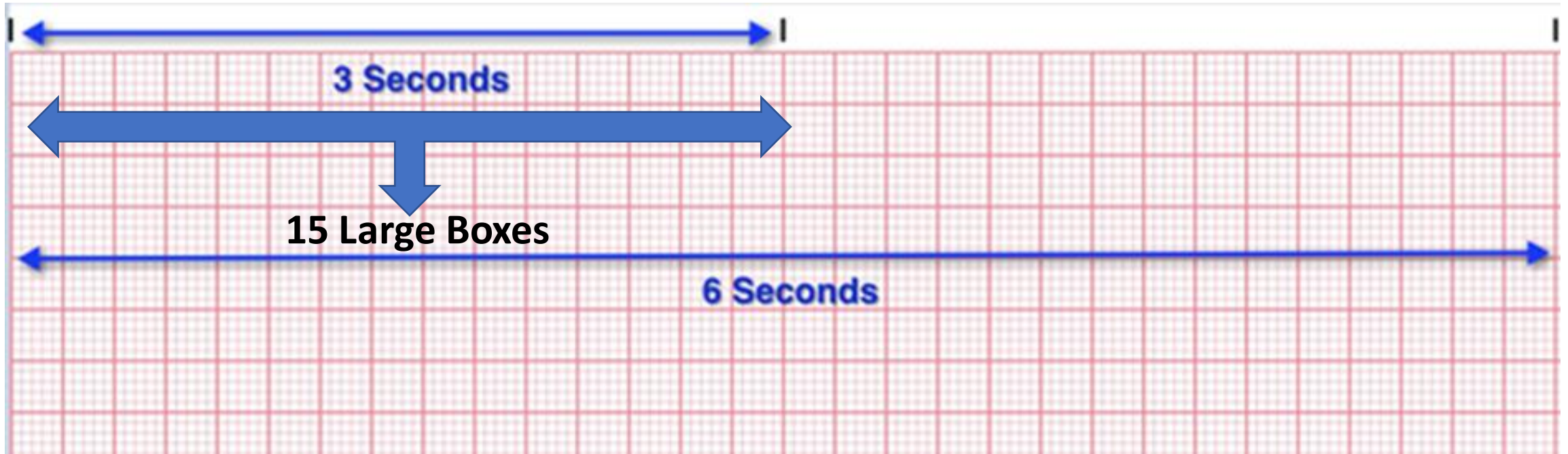
Small boxes

**30 Large Boxes = 6 seconds**

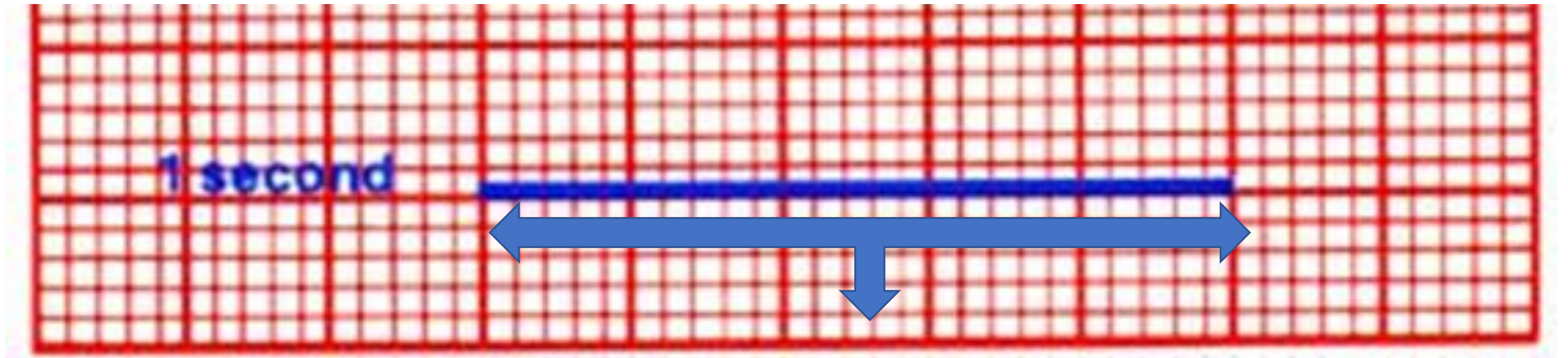




**15 Large boxes = 3 seconds**

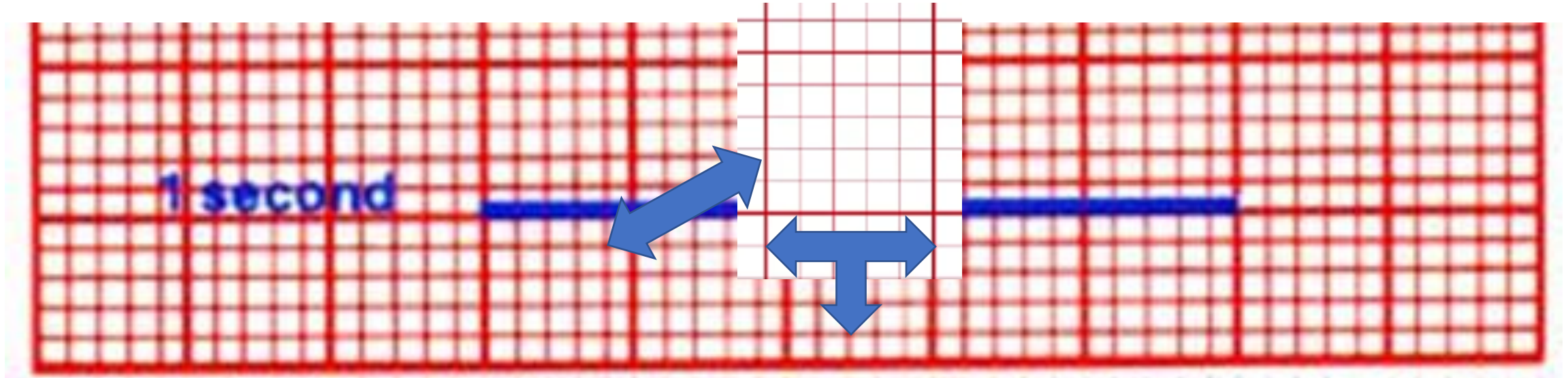


**5 Large Boxes = 1 second**



**5 Large Boxes**

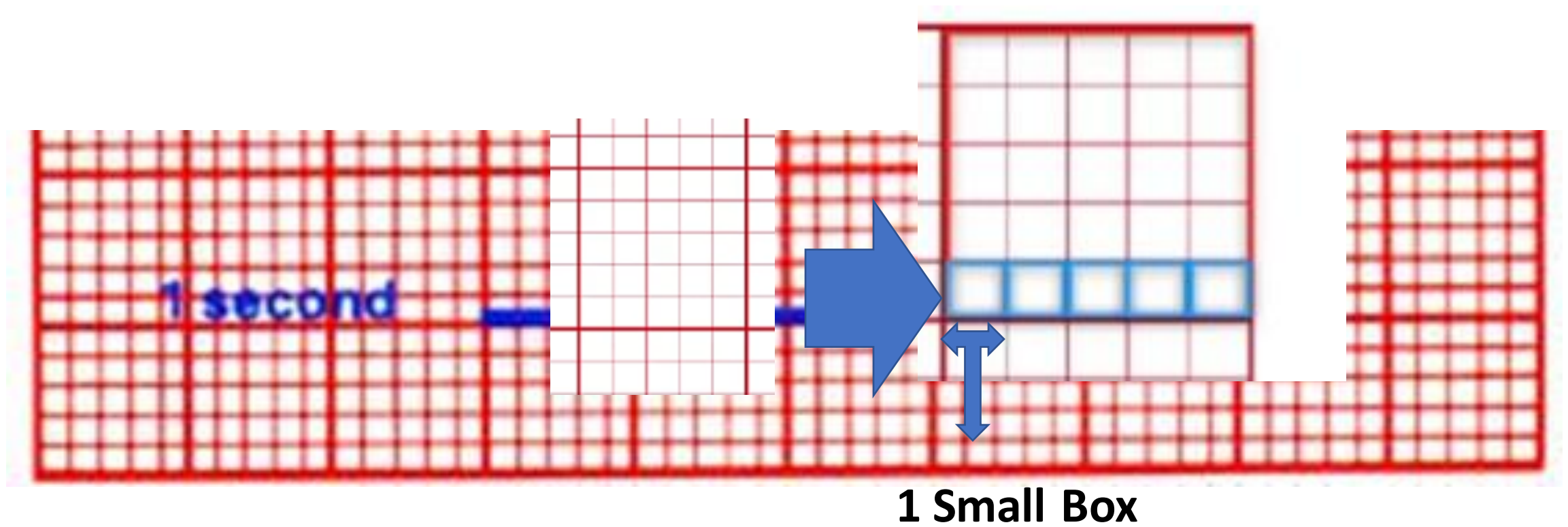
**1 Large Box = 0.20 seconds**  
**(0.20 X 5 = 1.0 second)**



**1 Large Box**



**1 Small Box = 0.04 seconds**  
**(0.04 X 5 = 0.20 seconds)**





**.04 seconds**

**Small Box = 0.04 Seconds**

**.08 seconds**

**2 Small boxes X 0.04 seconds = 0.08 seconds**

**.12 seconds**

**3 Small boxes X 0.04 seconds = 0.12 seconds**

**.16 seconds**

**4 Small boxes X 0.04 seconds = 0.16 seconds**

**.20 seconds**

**5 Small boxes X 0.04 seconds = 0.20 seconds  
Which is 1 Large Box**

**1 second**

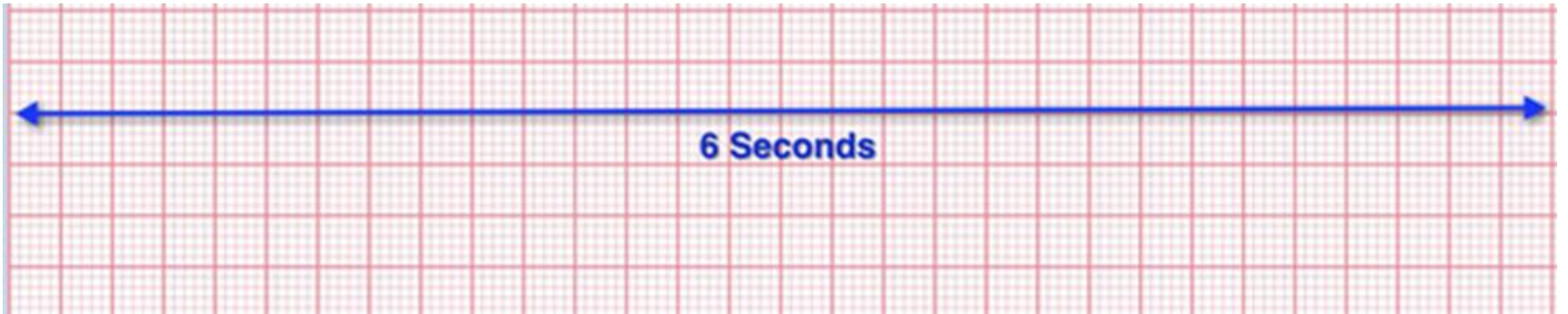
**5 Large Boxes = 1 second**



15 Large boxes = 3 seconds



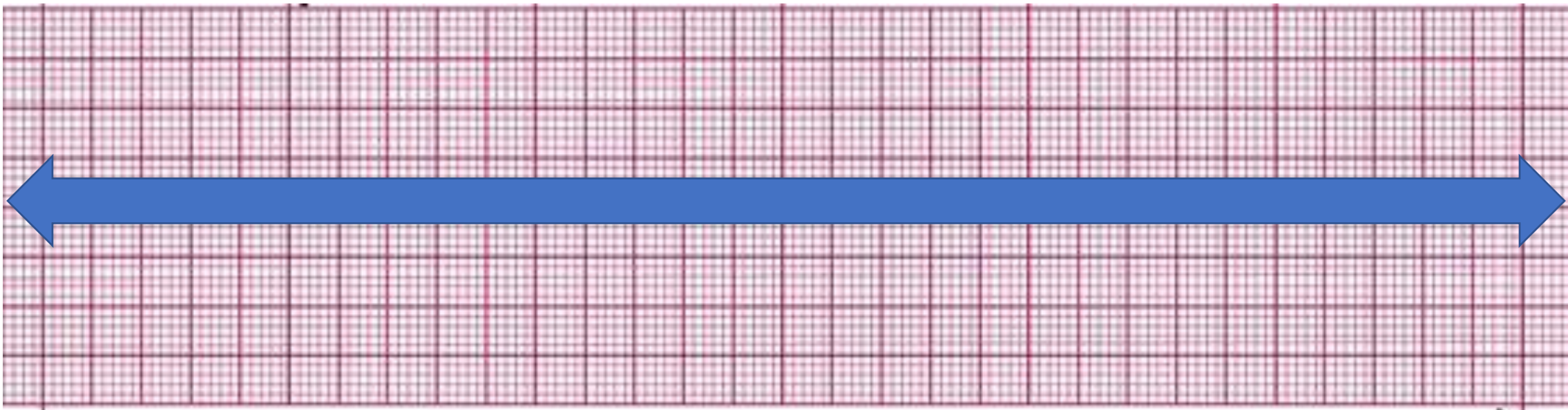
**30 Large Boxes = 6 seconds**



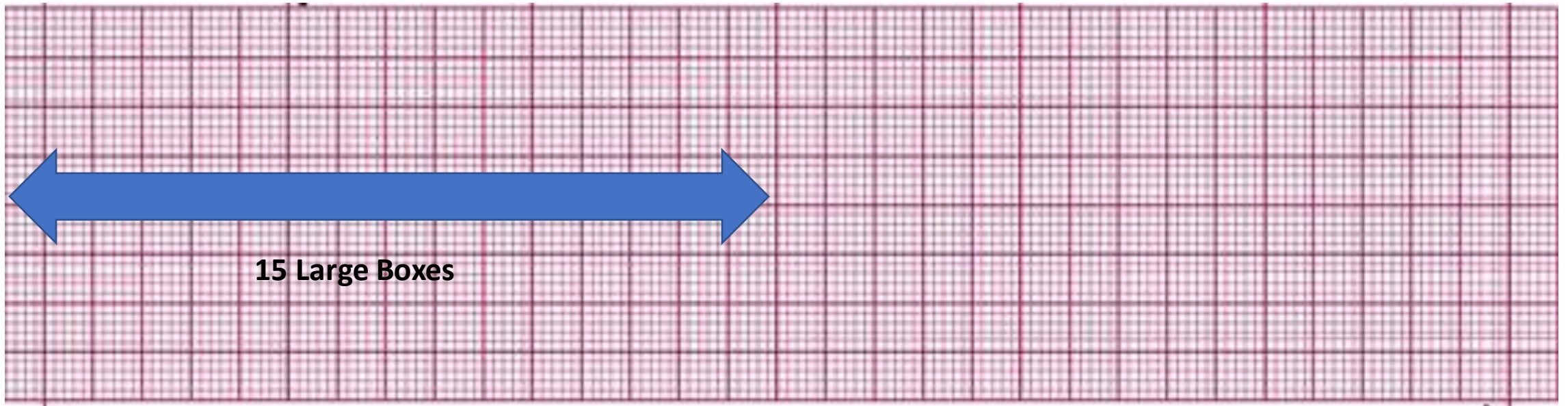


**Mark 6 Seconds on this Strip**

**30 Large Boxes**

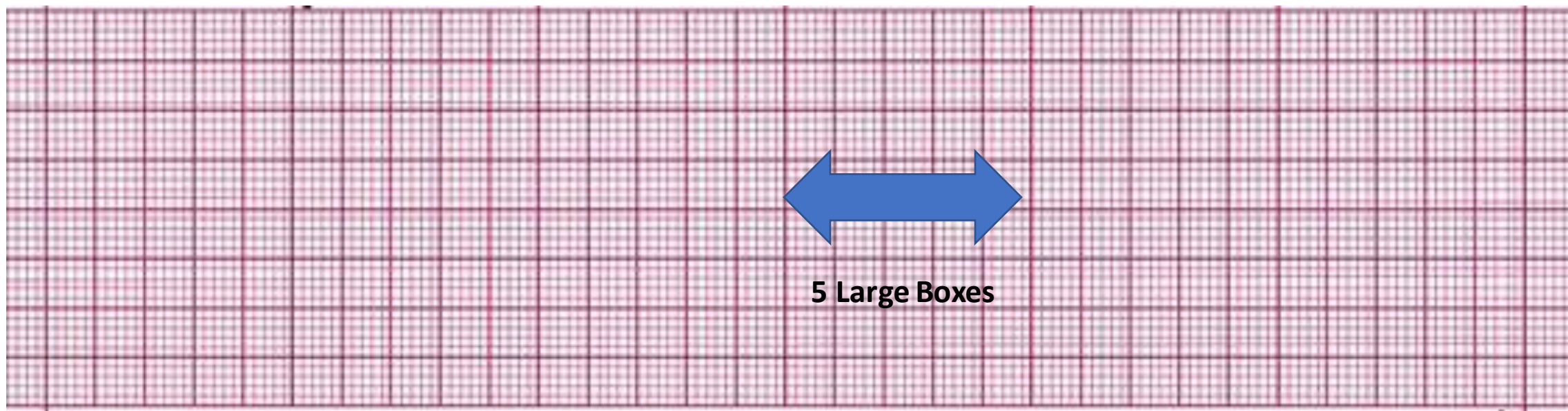


**Mark 3 Seconds on this Strip**



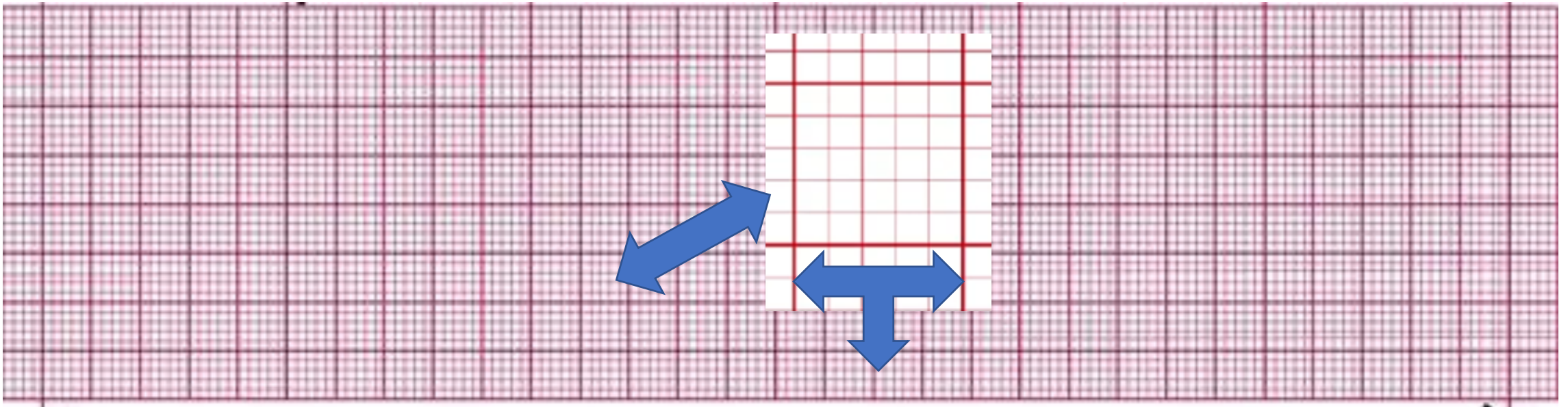


**Mark 1 Second on this Strip**



**Mark 1 Large Box**

**How many Seconds does this represent?**

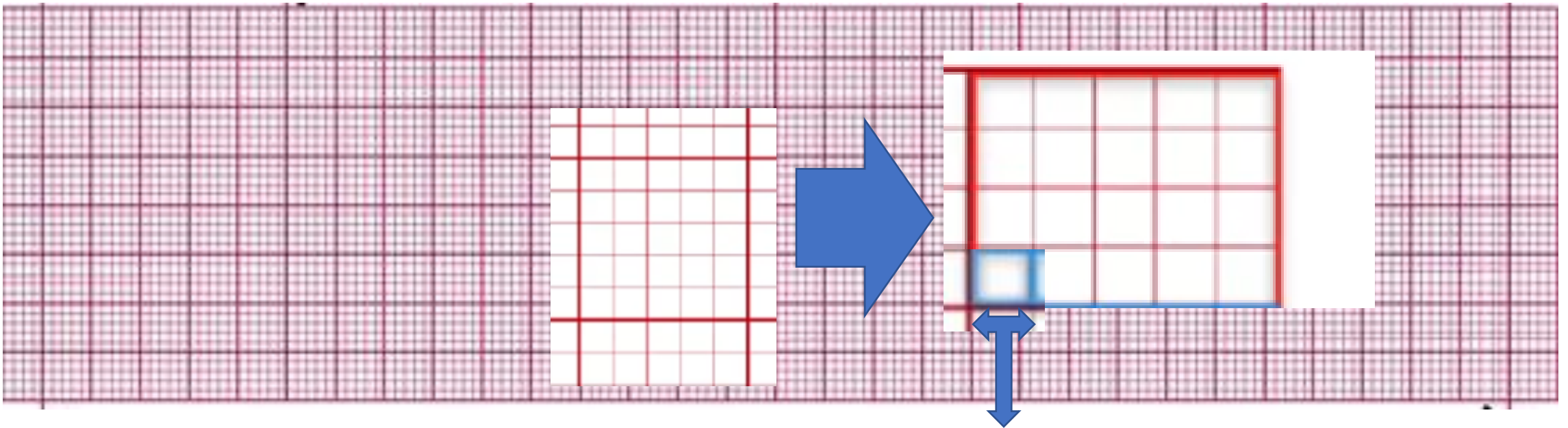


**1 Large Box = 0.20 Seconds**



# Mark 1 Small Box

How many Seconds does this represent?



**1 Small Box = 0.04 seconds**  
**(0.04 X 5 = 0.20 seconds)**

