

Dropping Ruler Lab- What is your reaction time? In this lab we will calculate your reaction time in catching a ruler.

Materials- Ruler

1. Catcher, hold thumb and index finger 3cm apart.
2. Dropper, hold ruler with the mark for 0 cm right in between catching fingers.
3. Dropper, drop whenever you want
4. Catcher, catch it as quick as you can, but don't anticipate.
5. Do three trials and then calculate your reaction time.

Catcher 1-

Distance in cm	Distance in m	Calculated Rxn time $t=\sqrt{2d/a}$

Catcher 2-

Distance in cm	Distance in m	Calculated Rxn time $t=\sqrt{2d/a}$