

Name: \_\_\_\_\_







# THINK FAST!

**MYSTERY**  
science  
Human Machine | Mystery 4

Record your results	
Trial	Number on ruler
Trial #1	_____ cm
Trial #2	_____ cm
Trial #3	_____ cm

**RULE #1**  
Droppers must hold the ruler so the 1 cm mark is between the Catchers' fingers.

**RULE #2**  
Catchers can't move until they see the ruler drop.

Circle the picture by your fastest reaction time			
Picture	Distance on ruler	Time it takes for the ruler to fall this far	That's the same time it takes...
	0 - 5 cm	less than 100 milliseconds	...for a ROCKET SHIP to travel a ½ mile
	6 - 10 cm	100 to 140 milliseconds	...for a BLINK of an eye
	11 - 15 cm	140 to 180 milliseconds	...for a LIGHTNING BOLT to travel 10 miles
	16 - 20 cm	180 to 200 milliseconds	...for a CHEETAH to run 20 feet
	21 - 25 cm	200 to 230 milliseconds	...for a SNAP of the fingers
	26 -30 cm	230 to 250 milliseconds	...for a RACE CAR to drive 85 feet

1000 milliseconds = 1 second