

The brain, senses and fast reactions: how fast can you react?

Living Things

How a catch happens



1. Your eyes see the ruler fall



2. Your brain sends a message



3. Your fingers pinch

The comparison I chose (eyes ready v distracted, OR writing hand v other hand)

My prediction: which set-up will give the shorter catch distance, and why

Our catch distances in cm: three trials each, then circle the middle value

Set-up (write it in)	Trial 1 (cm)	Trial 2 (cm)	Trial 3 (cm)	Middle value (circle it)
Set-up A				
Set-up B				

From the ruler to the road: how far a car at 50 km/h moves while you react

Catch at 5 cm: 1.4 m · 10 cm: 2.0 m · 15 cm: 2.4 m · 20 cm: 2.8 m · 25 cm: 3.1 m · 30 cm: 3.4 m

The road table

Set-up	Our middle catch (cm)	The car moves (m)
Set-up A		
Set-up B		

How much further did the car go when we were slower?

Our road safety message for drivers