



## Science

Me and ~~and~~ my mum did an experiment dropping a ruler. My mum held the ruler so that the ~~0~~ 0cm mark is at the bottom and I tried to catch it.

With the first drop it landed at 22cm. I think the ~~thing~~ thing you are using ~~to~~ to do this are:

- brain
- lungs
- muscles
- eyes

I am now going to do it with both hands. My prediction is that my right hand is going to be better at catching than my left.

Right hand: 20cm Left hand: 17cm

I think to get better results we must keep testing.

I want to try 10 times with each hand.

Drops	Right hand	Left hand		
.1	.19cm	.9cm		
.2	.10cm	.6cm		
.3	.17cm	.16cm		
.4	.22cm	.9cm		
.5	.10cm	.11cm		
.6	.16cm	.20cm		
.7	.9cm	.2cm		
.8	.20cm	.12cm		
.9	.18cm	.12cm		
.10	.12cm	.19cm		
<del>average</del>	.156cm	.132cm	mean/average	13.6 cm
			median/middle	17cm
			mode/most frequent	10cm or 17cm

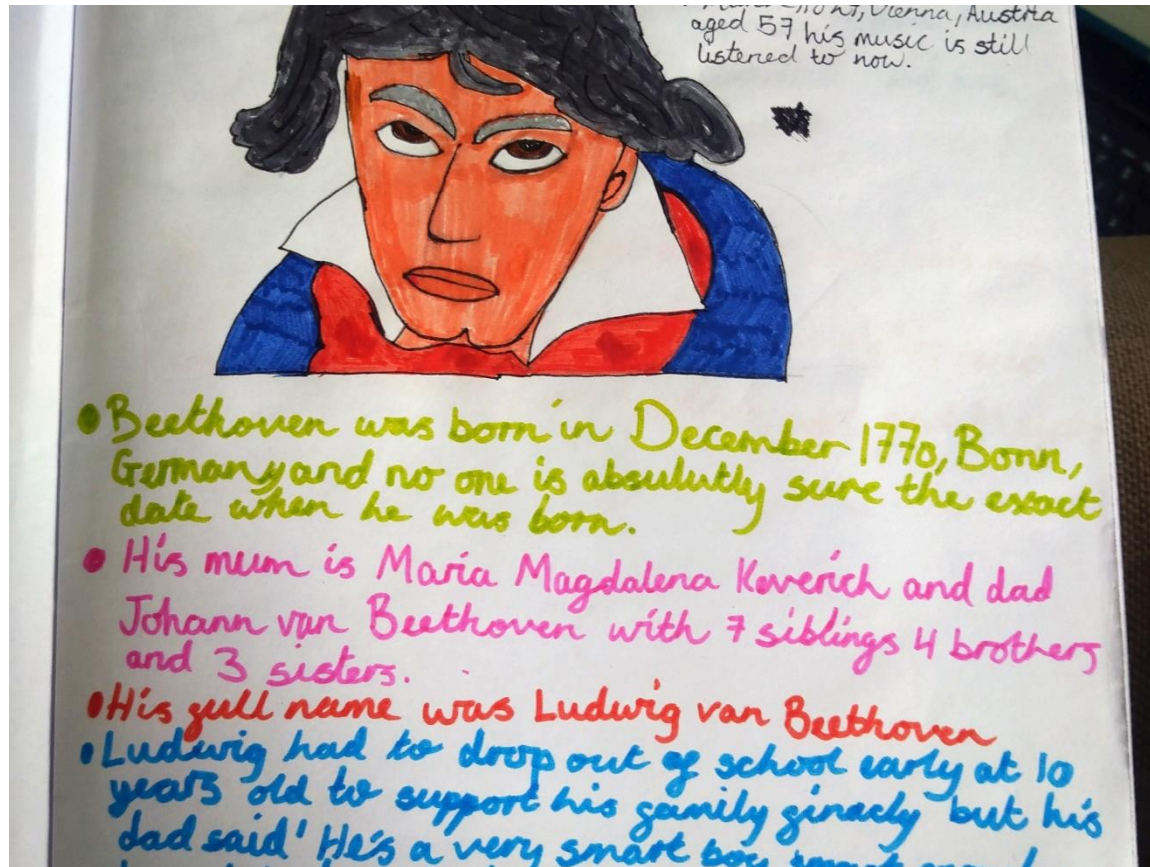
I want to make it harder so I am going to try catch it with only one eye open.

(I did not catch the ruler)

Drops	Right hand	Left hand	Right hand	Left hand
1.	.12cm	.20cm	/	.5cm
2.	/	/	/	.9cm
3.	/	.16cm	/	.17cm
4.	/	.17cm	.22cm	.16cm
5.	.3cm	.8cm	/	/

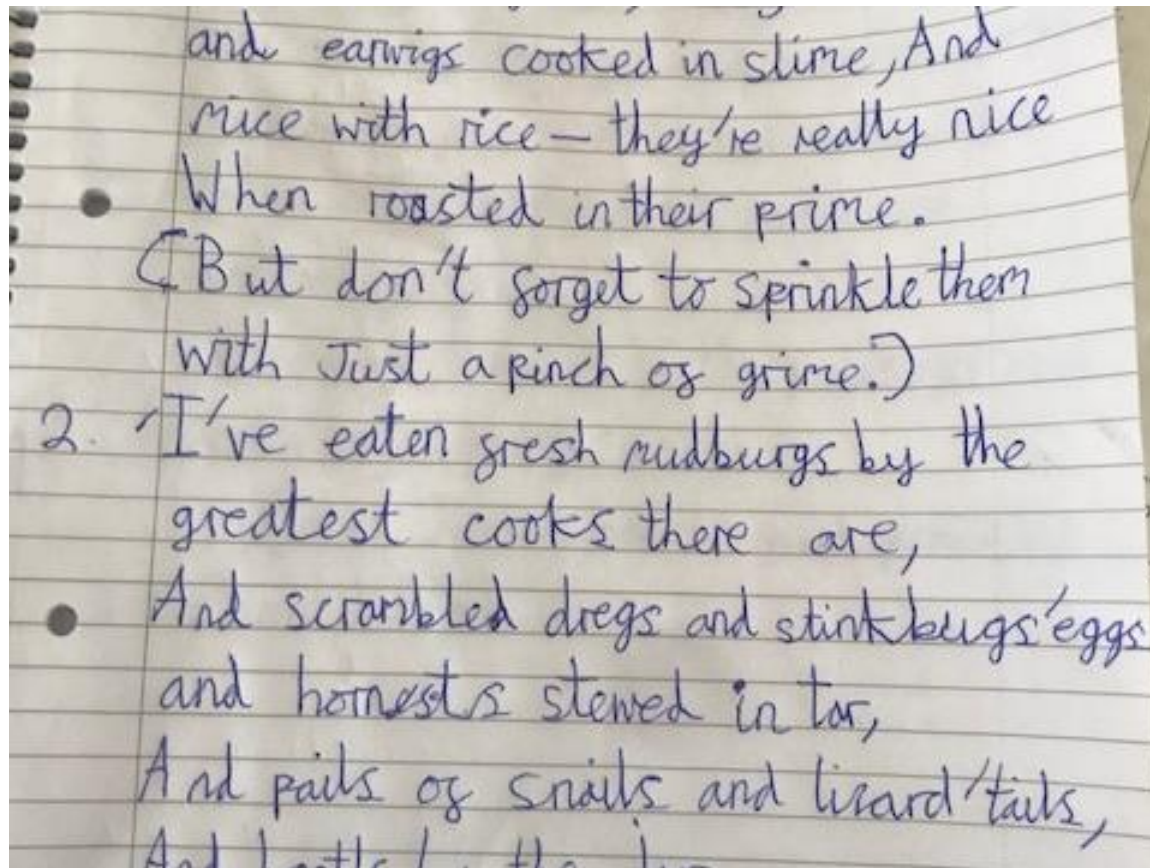
Right eye only | Left eye only

A lot of the time with one eye shut I ~~could~~ couldn't catch the ruler at all.



Beethoven – what a great drawing 😊

This research was from Alisdair.



## **Peter completed the handwriting task.**

I'm delighted with this - well done.

Natasha and Iona have both gained their pen licence too - 😊

# Sarah and Emily have been busy too.

## Sarah made nettle rinse.



## Emily found out how the heart works.

- Arteries carry blood away from the heart.
- Veins bring it back.
- The pulmonary artery takes blood to the lungs where the blood gets oxygen.
- The pulmonary vein takes the oxygenated blood back to the heart.
- This blood is then pumped round the body through the Aorta (this is the biggest artery in the body).
- The body uses all the oxygen in the blood for energy.
- The Vena Cava (great vein) is the biggest vein in the body and brings the blood back to the heart to get more oxygen.
- The valves make sure the blood flows in the right direction round the body.
- The heart is the biggest muscle in the body.
- When you are running your heart beats faster because the blood needs to move faster so you get more oxygen for energy.