

Three Pence Free Fall

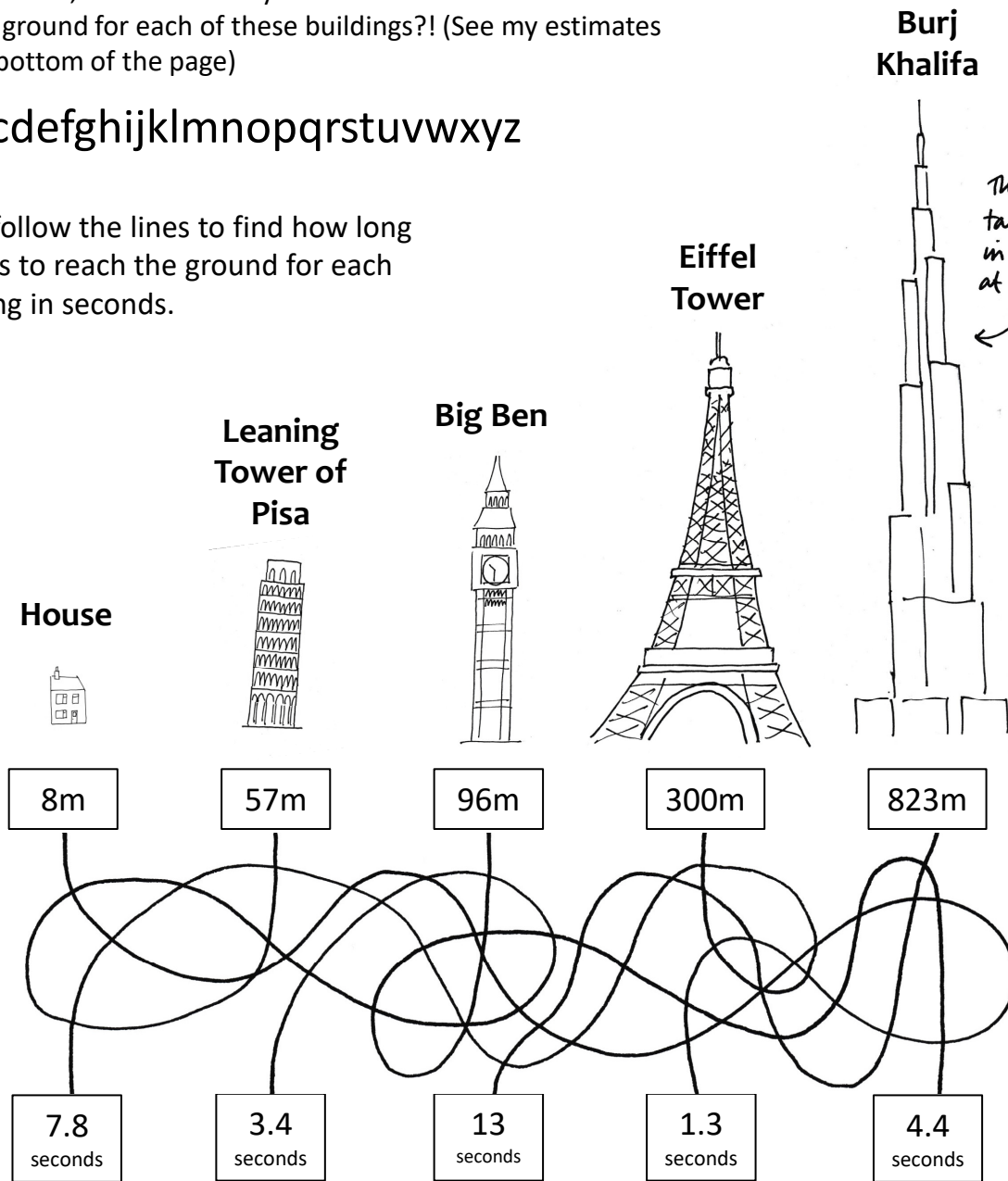


Abcdefg... Splat!

It takes about 8 seconds to say the alphabet. If a coin could say the alphabet, what letter do you think it would reach before it hit the ground for each of these buildings?! (See my estimates at the bottom of the page)

abcdefghijklmnopqrstuvwxyz

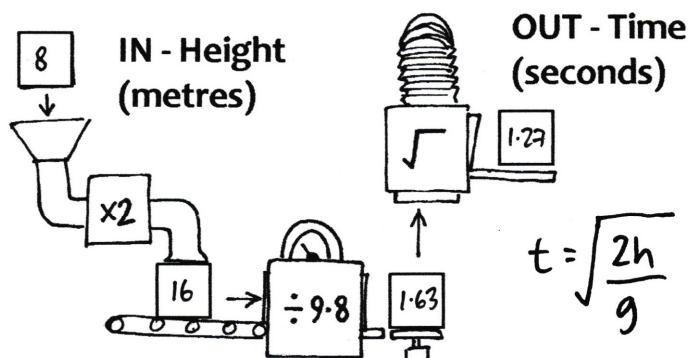
Then follow the lines to find how long it takes to reach the ground for each building in seconds.



This is the tallest building in the world at the moment

Incredible Calculating Machine

Did you know that calculating the time it takes an object to fall is really quite simple. All you need to know is the height of the building in metres. Grab a calculator and try it for one of the buildings!



E.g. $8\text{m} \times 2 = 16$, $16 \div 9.8 = 1.63$, $1.63 = 1.27$ seconds

My estimate is that the coin would get to d for the house, p for the Leaning Tower of Pisa, r for Big Ben and z for the Eiffel Tower. For the Burj Khalif you would get to r the second time round!