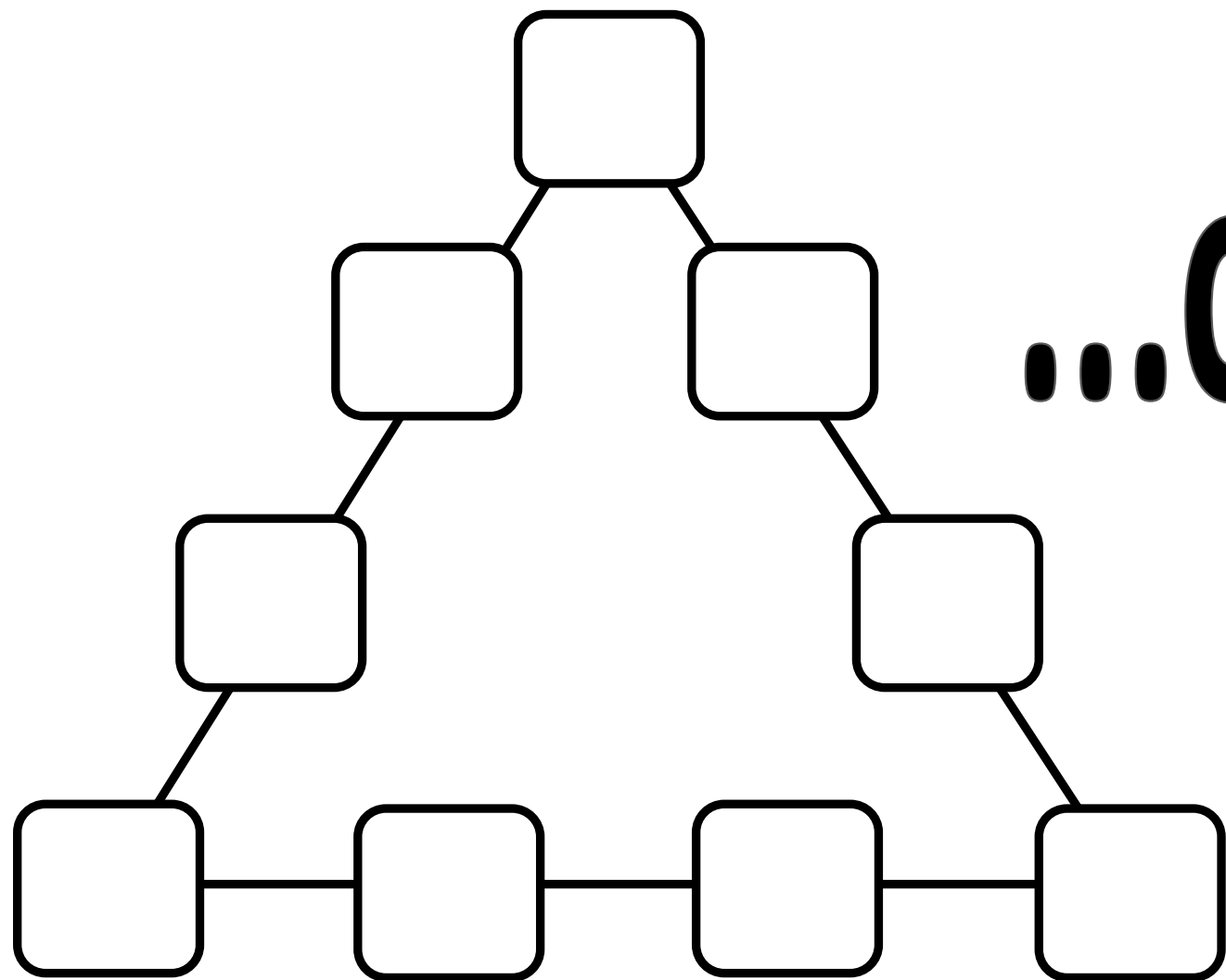


# Week 9: Open to all years

## Choose your challenge...



...Or...

A length of rope is wrapped once around the equator of the Earth and pulled taut.



The rope is then loosened and raised from the surface of the Earth by 1 metre at each point on the equator. How much extra rope is needed for this process?

Put the numbers 1 to 9 in the boxes above so that each side of the triangle adds up to 20.

All answers should be submitted to Mrs Uff by close of play Friday 8th May with your name, your tutor base, your house and a fully worked Mathematical solution. Good Luck!