Math Activities 3

The goal in the activities below is for students to explore and play with the mathematical content embedded in them. The activities include links to videos that explain more about each one. Have fun exploring!

[How Tall Is That Tree? (2-12)](https://youcubed.us3.list-manage.com/track/click?u=b83db24650b8f6e7a1c9da2aa&id=29f5904e72&e=3fb6b3d1e7): How many times have you come across a tree and thought: that tree is humongous? What do you measure with? Have a discussion with family and friends when outside about different strategies to determine the height of trees you’re curious about.

[Fraction Hunt (2-6)](https://youcubed.us3.list-manage.com/track/click?u=b83db24650b8f6e7a1c9da2aa&id=3e03525ec2&e=3fb6b3d1e7): Fractions are all around us! Walk around the house, yard, and neighborhood with your child. Where do you see fractions? What would you call one part of the whole? What if the objects are different sizes? Can they still be represented as a fraction?

[Apple Orchard (4-12)](https://youcubed.us3.list-manage.com/track/click?u=b83db24650b8f6e7a1c9da2aa&id=bc7930641d&e=3fb6b3d1e7): This layout based on how apple trees are planted in orchards leads to some interesting explorations of area, patterns, and growth rates. Younger students can model the situation with beads or beans, while older students can graph the growth rates they find.

[Pixel Art On Windows (K-12)](https://youcubed.us3.list-manage.com/track/click?u=b83db24650b8f6e7a1c9da2aa&id=1c40984b50&e=3fb6b3d1e7): We've been inspired by the beautiful art many people are making on their windows with sticky notes or squared pieces of paper to cheer up their neighbors during this time. In this task, we explore some of the math involved and pose a challenge for students to tackle.