

## Growth Mindset

### Video: Productive Practice

(JO BOALER:) So a lot of people actually read my work and hear our messages on YouTube and said well what about practice, you can't just have kids going into these open, visual, engaging maths classes, they have to practice. And what we know is you need to engage kids in productive practice. So, productive practice is not having a worksheet of 40 questions that are exactly the same with different numbers. When we, what is productive about practice is if you see an idea in different ways and in different forms, maybe you engage with it visually, maybe you draw something with it, maybe you write a story about it, maybe you do calculations or model with it, when you're seeing an idea in different ways that's a really good way of learning something. So, Malcolm Gladwell actually said, you know, if you spend 10,000 hours doing what is the trade of whatever that you want to learn you'll become an expert. So what we want kids to do is spend 10,000 hours, if we believe this, acting like a mathematician. Not going through worksheets but asking questions and exploring and connecting and using logic and reasoning, and engaging in those broad ways.