

Activity	Time	Description/Prompt	Materials
Video: Brains Grow and Change	4 minutes	Video: https://vimeo.com/178104237	<ul style="list-style-type: none"> • Projector • Video
Video Discussion	2 minutes	Questions for the Discussion is from BCPS <ol style="list-style-type: none"> 1. What happened when a girl had half of her brain removed? What was so unique? 2. Were you amazed to learn that her brain grew back faster? Why do you think this is important? 	
Journal Prompt	5 minutes	Journal Prompt is from BCPS <ul style="list-style-type: none"> • What is your favorite math message that has been shared? • Anyone can succeed in math. • There is no such thing as a “math person” • When you learn something, new synapses fire in your brains • You need to exercise your brain 	<ul style="list-style-type: none"> • Journal • Pencil
Dot Card	15 minutes	<ol style="list-style-type: none"> 1. Show the dot card visual to students. Put it away before they have time to count and ask them how many dots they saw and how they saw them. See this video for more detail. https://www.youcubed.org/jo-dot-cardnumber-talk/ 2. Draw as many examples of student representation as possible. 	<ul style="list-style-type: none"> • 1 copy of the dot card visual for display, page 5
Fewest Squares	15 minutes	<ol style="list-style-type: none"> 1. Have the students draw an 11 x 13 rectangle. 2. Ask them to figure out what is the fewest number of square they can draw in the rectangle. 	<ul style="list-style-type: none"> • Graph paper • Pencil • Markers
Closing	3-5 minutes	Review key concepts: <ul style="list-style-type: none"> • Remind students of the video message they heard • There is no such thing as a math brain or a math person. • Anyone can learn any level of math with hard work and effort. 	