

Digital Math Lessons

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6th Grade

1

Online Tools for Manipulatives



- **List of interactive tools**

<https://mathgeekmama.com/free-online-math-manipulatives/>

- **Pearson math Tools**



<https://media.pk12ls.com/curriculum/math/Tools/CAindex.html>



- **Interactives from PBS**

<https://ca.pbslearningmedia.org/>

- **Illuminations from NCTM**



<https://illuminations.nctm.org/Search.aspx?view=search&type=ac>

2

Allow for Oral Collaboration

Zoom

- How to use Breakout Rooms

https://youtu.be/j_O7rDILNCM



Google Meet

- How to create meeting rooms for groups

<https://www.claycodes.org/google-meet-breakout-rooms>



3

Using Google Docs/Slides as HyperDocs



Finding Volume Activity

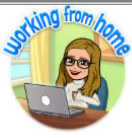
TASK		
1. Sign up for a group 2. Go to your group meeting link and determine how you will collaborate to complete this task. 3. Go to this website to explore how to find volume. 4. Work with your team to show 3 different ways to find volume using the tools in the website. 5. On the Google, you will post the following: <ul style="list-style-type: none"> - Finding volume of a prism using <ul style="list-style-type: none"> ■ Codes ■ Layers ■ Boxes - Type a summary (1-2 sentences) on what your team learned about how to find volume using cubes, layers or rows. Use one of the following sentence starters/frames: <ul style="list-style-type: none"> ■ Our group believes that you can find volume by ____. ■ Volume is _____ it can be found by _____. ■ Based on the exploration activity, our group determined that you can find volume by _____. 		
Google Meet Link	Students in Group	Dimensions of Your Rectangular Prism
Group 1		Width: 7 Depth: 10 Height: 9
Group 2		Width: 9 Depth: 11 Height: 9

- Explain the task
- Provide links/resources
- Provide a place for students to post their products & teacher to provide feedback

4

Place for student work

Example #1: Within document




Volume Quiz Activity

**Up to 2 extra credit points for 70% or higher!* <--that's equal to a 3-2-1 reflection on a hyperdoc!*

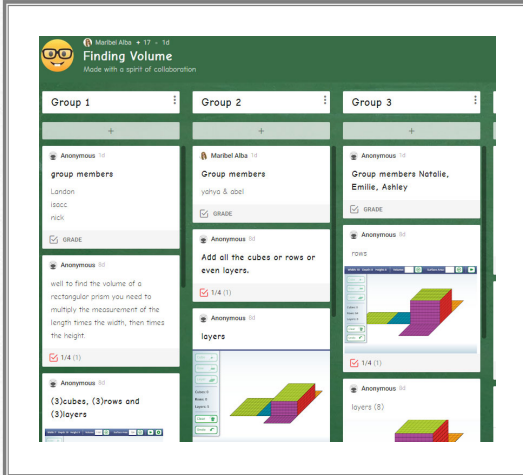
TASK

1. Join your desired group by writing your names in the middle section
2. Then join your group link to work as a team.
3. Only one student will open the quiz and share their screen with other team members.
4. [Click here](#) to access the quiz activity.
5. Then take a screenshot of your team's score and post it in the right column.

Google Meet Link	Students in Group	Post Screenshot of Score Here
Group 1	Landon, Issac, Nicholas	

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Example #2: Using outside App








6

Provide Feedback

- Google Doc/Slide

TASK			
<ol style="list-style-type: none"> 1. Join your desired group by writing your names in the middle section 2. Then join your group link to work as a team. 3. Only one student will open the quiz and share their screen with other team members. 4. Click here to access the quiz activity. 5. Then take a screenshot of your team's score and post it in the right column. 			
Google Meet Link	Students in Group	Post Screenshot of Score Here	Teacher Feedback
Group 1	Landon, Issac, Nicholas		

- Padlet

Reactions	
	None No reactions <input type="radio"/>
	Like Like posts <input type="radio"/>
	Vote Upvote or downvote posts <input type="radio"/>
	Star Give posts 1-5 stars <input type="radio"/>
	Grade Give numeric scores to posts <input checked="" type="radio"/>