

Brick Math Grades 3 – 4
Accommodations and Modifications

Brick Math is designed to reach tactile, visual, and auditory learners with its very nature. The specific modifications below are for specific populations of students in need of assistance beyond general learning style needs. *Modifications* refer to changes in the content or lesson that can be made for specific learners. *Accommodations* refer to changes in the environment or actual materials used to provide access to the learning. The charts below outline modifications and accommodations that can be accessed to increase the learner’s ability to successfully learn the content and to engage with the materials.

Division Modification Suggestions:

Lesson	Gifted Learners	ELL (English Language learners)	Struggling Readers	Struggling Writers
1	Extend the models to include larger numbers Have students create their own problems/solutions for others to solve	Request lessons translated into Spanish Use video from website prior to beginning lesson to show process.	Read problems aloud Audio record problems for students to listen to as they build models.	Have students audio record explanations of models Use larger baseplate paper and/or enlarged line space for writing
2	Extend the models to include larger numbers Have students create their own problems/solutions for others to solve	Request lessons translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
3	Challenge problem included	Request lessons translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Charts are included for easy completion
4	Extra problems for	Request Lessons translated into	Read problems aloud	Allow students to

	<p>extended practice</p> <p>Have students create their own problems/solutions for others to solve</p>	Spanish	<p>Audio record problems for students to listen to as they build</p>	<p>outline bricks and not color in the studs</p> <p>Audio/video record solution explanations</p>
5	<p>Extra problems for extended practice</p> <p>Have students create their own problems/solutions for others to solve</p>	Request lessons translated into Spanish	<p>Read problems aloud</p> <p>Audio record problems for students to listen to as they build</p>	<p>Allow students to outline bricks and not color in the studs.</p> <p>Audio/video record solution explanations</p>
6	<p>Extra problems for extended practice</p> <p>Have students create their own problems/solutions for others to solve</p>	Request lessons translated into Spanish	<p>Read problems aloud</p> <p>Audio record problems for students to listen to as they build</p>	<p>Allow students to outline bricks and not color in the studs</p> <p>Audio/video record solution explanations</p>
7	<p>Extra problems for extended practice</p> <p>Have students create their own problems/solutions for others to solve</p>	Request lessons translated into Spanish	<p>Read problems aloud</p> <p>Audio record problems for students to listen to as they build</p>	<p>Allow students to outline bricks and not color in the studs</p> <p>Audio/video record solution explanations</p>

Multiplication Modifications:

Lesson	Gifted Learners	ELL(English Language learners)	Struggling Readers	Struggling Writers
1	Extra problems for extended practice require in-depth thinking and critical problem solving	Request lesson translated into Spanish Show video from website prior to beginning this topic	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
2	Extra problems for extended practice Have students create their own problems/solutions for others to solve	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs. Audio/video record solution explanations
3	Extra problems for extended practice Have students create their own problems/solutions for others to solve	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs. Audio/video record solution explanations
4	Have students create their own problems/solutions for others to solve	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs. Audio/video record solution explanations
5	Extra problems for extended practice	Request lesson translated into Spanish	Read problems aloud	Audio/video record solution explanations

	Have students create their own problems/solutions for others to solve		Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs
6	Have students create their own problems/solutions for others to solve	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
7	Extra problems for extended practice Have students create their own problems/solutions for others to solve	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
8	Extra problems for extended practice Advanced above grade 3 curriculum	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
9	Extra problems for extended practice Advanced above grade 4 curriculum	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Audio/video record solution explanations Allow students to outline bricks and not color in the studs
10	Extra problems for	Request lesson translated into	Read problems aloud	Allow students to

	extended practice Advanced above grade 4 curriculum	Spanish	Audio record problems for students to listen to as they build	outline bricks and not color in the studs Audio/video record solution explanations
--	--	---------	---	---

Fractions Modifications suggestions:

Lesson	Gifted Learners	ELL(English Language learners)	Struggling Readers	Struggling Writers
1	Challenge problem included	Request lesson translated into Spanish Show video from website prior to beginning this topic	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
2	Have students create problems/solutions for others to solve	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
3	Add a whole number to each fraction for additional challenge	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
4	Add whole numbers to each fraction for additional challenge	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as	Allow students to outline bricks and not color in the studs

			they build	Audio/video record solution explanations
5	Extend the numbers to larger quantities	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
6	Extend the fractions to include fifths and sixths	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
7	Have students create their own comparison fraction problems and justify answers	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
8	Advanced curriculum beyond grades 3 & 4	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
9	Advanced curriculum beyond grades 3 & 4	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations

10	Advanced curriculum beyond grades 3 & 4	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations
11	Advanced curriculum beyond grades 3 & 4	Request lesson translated into Spanish	Read problems aloud Audio record problems for students to listen to as they build	Allow students to outline bricks and not color in the studs Audio/video record solution explanations

Accommodations for all materials include:

- 1) The use of larger bricks and baseplates for students with sight, tactile, or severe learning difficulties.
- 2) Larger baseplate paper for students who are sight impaired or have dexterity needs.
- 3) The use of an iPad or tech device with photo capability can be used to take pictures of brick models built instead of drawing the models for students who have dexterity needs.