

# MATCH MY VOLUME

## Objective:

### Grade 5 TEKS

(5.10) **Measurement.** The student selects and uses appropriate units and procedures to measure volume.

The student is expected to:

- (A) measure volume using concrete models of cubic units; and
- (B) estimate volume in cubic units.

## Materials:

Cubes (multi-link cubes)

Student record sheet

## Set-Up:

partners

## Procedure:

1. Players sit back to back so they cannot see each other.
2. One player builds a rectangular prism using any number of cubes. The other player must not see what's happening.
3. When the rectangular prism is complete, the builder tells its volume in cubic units and gives one dimension.
4. The second player takes the same number of cubes and tries to build a matching rectangular prism without looking at the original. The player can ask up to four yes or no questions.
5. Players compare their rectangular prisms. If the prisms match, the player building the matching prism receives 1 point. If the prisms do not match, the original builder receives 1 point.
6. Players take turns building and matching rectangular prisms. The first player to reach 5 points wins the game.

Name: \_\_\_\_\_

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		Volume:	Dimension:
<b>Game 1</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
Points I earned:			

		Volume:	Dimension:
<b>Game 2</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
Points I earned:			

		Volume:	Dimension:
<b>Game 3</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
Points I earned:			

		Volume:	Dimension:
<b>Game 4</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
Points I earned:			

		Volume:	Dimension:
<b>Game 5</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
		Points I earned:	

		Volume:	Dimension:
<b>Game 6</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
		Points I earned:	

		Volume:	Dimension:
<b>Game 7</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
		Points I earned:	

		Volume:	Dimension:
<b>Game 8</b>			
Question	My question	Answer	What I learned
1			
2			
3			
4			
		Points I earned:	