

# Mathematics Word Wall

## Introduction:

The *Mathematics Word Wall* was developed by Michèle S. Weiner, Regional Center II Instructional Supervisor. Teachers who attended Regional Center II's mathematics inservices received their own copy. There have been additional requests from teachers, who did not attend, to receive a copy. Therefore, we have attached a copy of the Mathematics Word Wall to be used as a resource in the classroom.

## The Purpose:

The purpose of the *Mathematics Word Wall* is to identify words and phrases that students need to understand and use so as to make good progress in mathematics. Mathematical language is crucial to children's development of thinking. If students do not have the vocabulary to talk about math concepts and skills, they cannot make progress in understanding these areas of mathematical knowledge. They need to be familiar with mathematical vocabulary and mathematical terms to understand written and spoken instructions.

A structured approach to the teaching and learning of mathematical vocabulary is essential if students are to begin using the correct mathematical terminology.

- ◆ Introduce new words in a suitable context, for example with relevant real objects, pictures and/or diagrams.
- ◆ Explain their meanings carefully and revisit them several times.
- ◆ Students cannot learn the meaning of words in isolation and the use of questions is critical in helping them to understand mathematical ideas and to use mathematical terms correctly. It is important to ask questions in different ways so that students who do not understand the first time may pick up the meaning subsequently.

Mathematics Word Walls are to be active and built upon. Words are to be posted as they are introduced in the day's lesson. Mathematics spirals and students need to explore multiple exposures to important concepts and skills.

Number Sense, Concepts, and Operations Word Wall

ev en

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o dd

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frac  

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tion

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Percent

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multiples of 2  
2, 4, 6, 8 . . .

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prime numbers  
2, 3, 5, 7, 11 . . .

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Measurement Word Wall

l i t e r



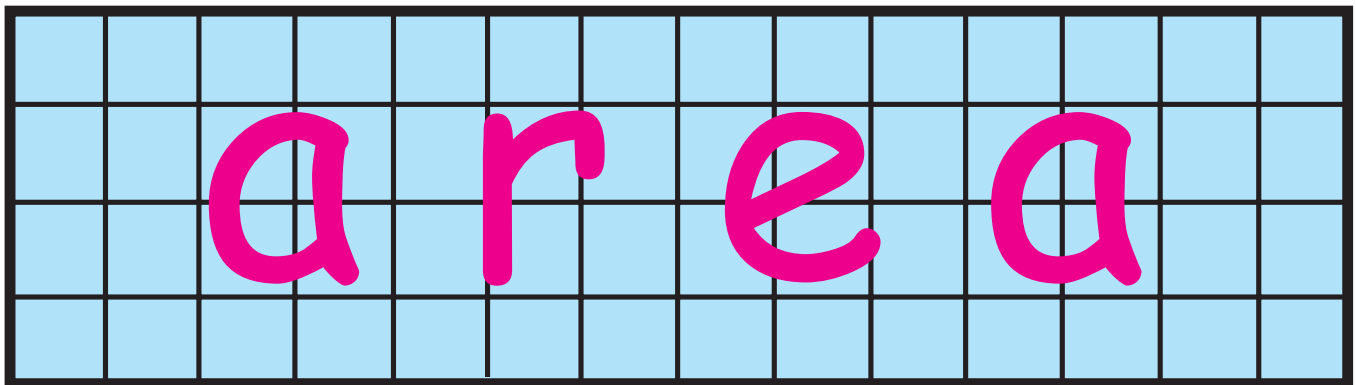
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m e t e r



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a r e a



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Measurement Word Wall

perimeter perimeter



perimeter perimeter

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Geometry and Spatial Sense Word Wall

reflection

REFLECTION

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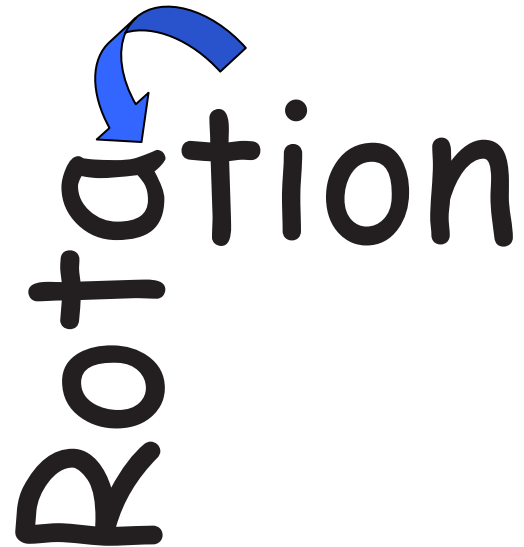
order(e, d)  
pairs

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clockwise



counterclockwise



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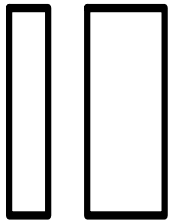
para||lel

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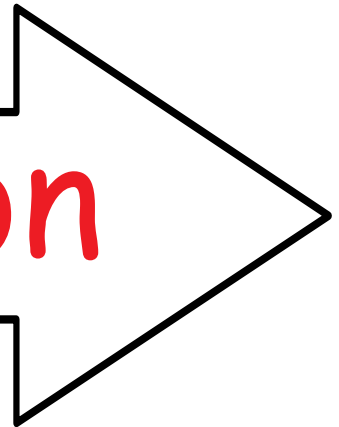
Geometry and Spatial Sense Word Wall

perpendicular

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translation

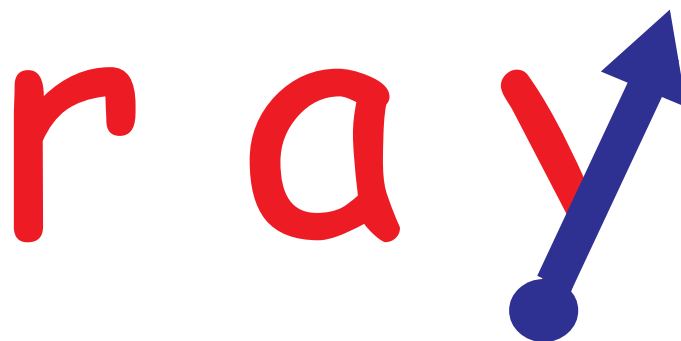


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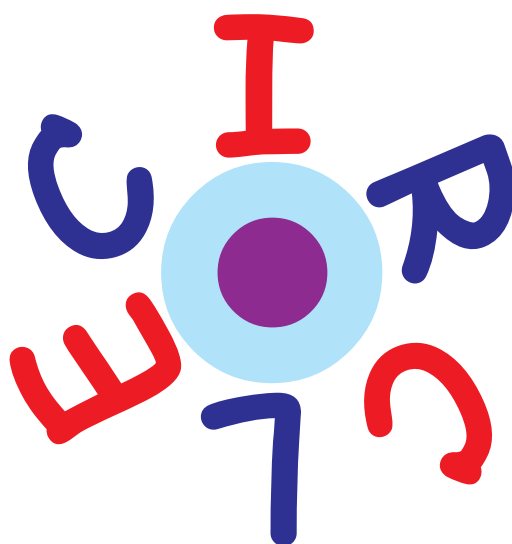
← line →

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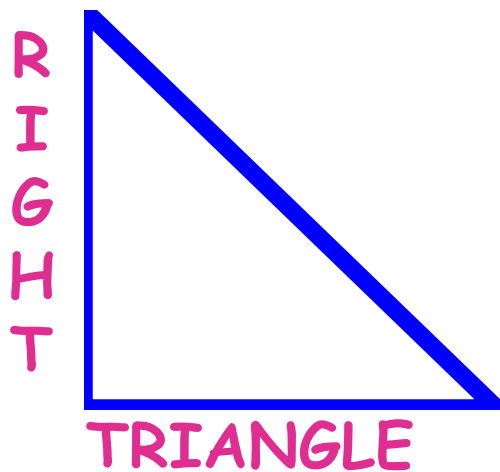
Geometry and Spatial Sense Word Wall



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Geometry and Spatial Sense Word Wall

concentric circles

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line segment



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Algebraic Thinking Word Wall

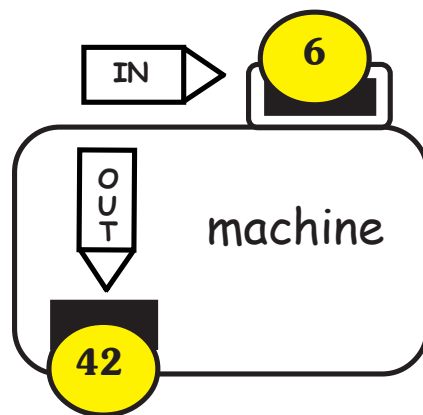
PATTERNS

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*in*  $\geq$  equalities

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function



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number line



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greater  $>$  than

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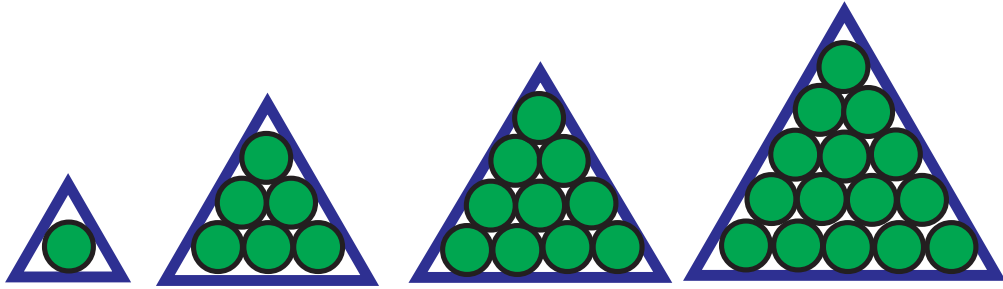
less  $<$  than

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not  $\neq$  equal

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## Algebraic Thinking Word Wall



# triangular numbers

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## Data Analysis and Probability Word Wall

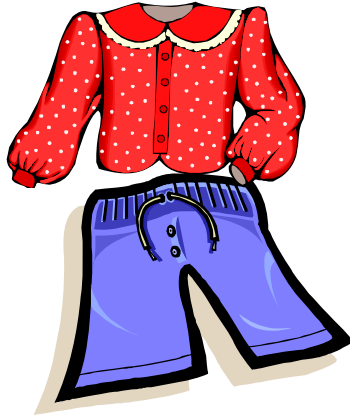
# median

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$m + e + a + n$

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# combinations



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# Range (R-e)

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# m o o d e

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