

Fun With Venn Diagrams

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Pre-Algebra

Grades 6/7

Topics:

Sorting/ Venn Diagrams

Counting Problems

Problem Solving

Purpose:

Students will familiarize themselves with Venn diagrams. They will solve problems by sorting information and using counting techniques.

Materials:

- Tape for carpet
- Markers
- Worksheet (Venn Diagram Problem)...attached
- Notecards

Time Required (55 min):

Introduction- 10min

Class problem with Venn diagram on floor -25 min.

(Extension) Partner work with markers- 15 min.

Closure-5 min.

Procedure:

- Have students circle around floor diagram and discuss each part.
- Hand half the class notecards to tell them where they belong.
- Have other half draw diagram and how many in each part.
- Ask 4 questions to students that are sitting.
- Switch roles and have sitting students become the participants in diagram.
- Handout new set of notecards.
- Students sitting must draw the diagram.
- Ask 4 questions to students who are sitting.
- Review activity.