

## 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- 10 min

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.