

HEXAGON PUZZLE

Introduction Group skills are not always easy to learn, but spending time on them can have a ripple effect that positively enhances a classroom environment. Students who work successfully in activity groups are actively engaged in learning and show positive feelings about their class as a community.

Objective Students work cooperatively to put pieces together in order to form a hexagon without knowing they are supposed to be creating a hexagon. Students learn to cooperate in a group and think as a group member rather than only an individual.

Skills Recognize shapes, find patterns, spatial visualization, logical thinking, cooperation with others

Materials

- Envelopes—*one per group*
- Paper clips—*four per group*
- GEOMETRIC SOLUTIONS—*one per group*

Teacher Directions

1. Duplicate one copy of GEOMETRIC SOLUTIONS for each group.
2. Cut apart each hexagon from GEOMETRIC SOLUTIONS along the solid lines, so each hexagon is in three pieces.
3. Separate the pieces into piles, so all the pieces with one dot are together, all pieces with two dots are together, and so on.
4. Paper clip together the pieces with the same number of dots.
5. Put all the paper clipped pieces in one envelope.
6. Repeat this process so there is one envelope full of pieces for each group of four students.
7. Give one envelope to each group of four students.
8. Tell each group member to take one of the paper clipped group of pieces.

Students Directions Read the following directions to your students after they have received the paper clipped pieces. Do not tell students what they are supposed to do with the pieces.

1. Students may give any piece or pieces they wish to another group member.
2. You may not take a piece unless it is handed to you by another player.
3. You may not talk.

GEOMETRIC SOLUTIONS

