

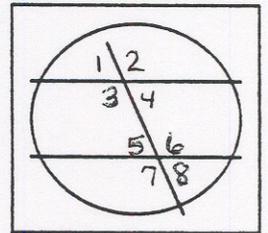
Parallel Lines Using Play-Doh®

Materials Needed: playdoh, wooden skewer, laminated graph paper, plastic knife

*Remember, any inappropriate use of materials will result in loss of the use of these materials so that you will only be allowed to watch others, not participate yourself.
If you are unsure what is and is not appropriate, ask first!*

Activity:

1. **Make** a (pancake-shaped) flat circle with the playdoh and put it on the laminated graph paper.
2. **Take** the wooden skewer and, using the graph lines as a guide, press the skewer into the playdoh to make two parallel lines (approximately 3-4 inches apart).
3. **Again** with the wooden skewer, press a transversal into the playdoh.
4. **Using** the tip of your skewer, number the angles like in the diagram →
5. **With** the wooden skewer, make a line to separate angles 3&4 from 5&6.
6. **Use** the plastic knife to cut thru the playdoh on the lines you just made.



Questions:

Find a pair of alternate exterior angles.

1. What two sets of numbers could you have? _____

Pick them up and, without squeezing them together, place one on top of the other (sandwich style).

2. What do you notice about the angle measures? _____

Find a pair of alternate interior angles.

3. What two sets of numbers could you have? _____

Pick them up and, without squeezing them together, place one on top of the other.

4. What do you notice about the angle measures? _____

Find a pair of consecutive interior angles.

5. What two sets of numbers could you have? _____

Pick them up and reverse them so they are still next to each other.

6. What do you notice about the angle measures? _____

Find a pair of corresponding angles.

7. What four sets of numbers could you have? _____

Pick them up and, without squeezing them together, place one on top of the other.

8. What do you notice about the angle measures? _____