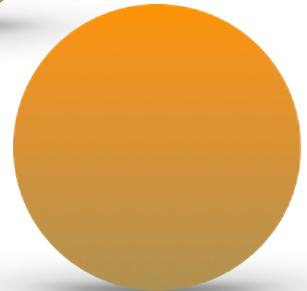


Equal Pieces



Goal: Divide an object into equal parts and reassemble the object.

You will need:

- Play Dough
- A plastic knife to cut the play dough
- Optional: a scale

What to do:

- Make a play dough rope, by rolling the dough back and forth on a flat surface with the palms of your hands until the entire length of the rope is equally thick.
- Cut the rope into two equal parts.
- Compare the parts:
 - Are they the same length?
 - Do they weigh the same?
- Reassemble the parts so they resemble the original rope.
- Make another rope. Try to cut the rope into three equal parts. Compare the three parts. Are they equal in length and weight?
- Make another rope. Cut it in half. Cut each of the halves in half again. How many pieces do you have? Are they equal in length and weight?



Other Things to Try:

- Make a play dough ball. Cut the ball in half. Cut each half in half. Cut each of the halves in half again. Do the pieces look the same? How many pieces do you have?
- Practice cutting a snack into equal size pieces and sharing the snack equally with another person.

