



Front



Back

The Life Cycle
Of A Pumpkin
From Seeds To Pie

I want to share my pumpkin pie with

I need to divide it in half.

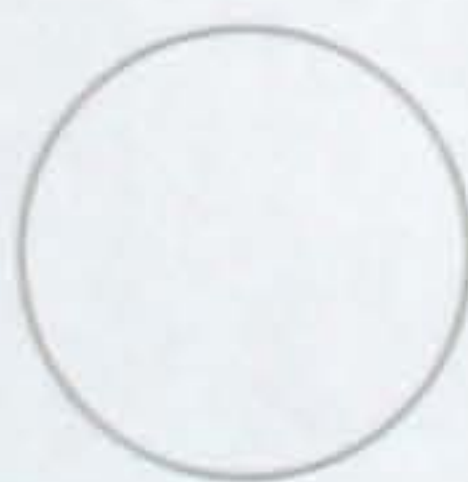
divide

half



This is half of the pie.

You draw:



If I want to share my pumpkin pie with 4 people, I need to cut it into 4 pieces or fourths, which is also called quarters.

fourths

quarters

This piece is a quarter or fourth of the pie.



You draw:



If I wanted to share my pie with more people, I would have to cut my pie into even smaller pieces.

My pumpkin stem is a rectangle. I want to cut my pumpkin stem. I need to divide it in half. I can show that vertically or horizontally.

divide

half



This is half of the stem.



You draw:



If I want to cut my pumpkin stem into 4 pieces, I would be cutting it into fourths, which is also called quarters.

fourths

quarters



You draw:

If I wanted to cut my stem into more pieces, I would have to cut them into smaller pieces.



From Seeds To Pie

Studying The Life Cycle Of A Pumpkin And Fractions.
GTeachWithMe.com

Background:

Since there never seems to be enough time in the day, I like to hit as many standards as I can with one activity so I try to design things that incorporate more than one subject.

I find that art is a great vehicle for that and when the students complete the lesson you'll have a terrific hallway decoration!

In this hands-on lesson, review the basic shapes by having your students either draw them on their Jack-O-Lantern or give them an assortment of the various shapes by cutting them out of black construction paper.

I find that my Y5's have difficulty reproducing shapes to look like what they are supposed to, so I have a room helper pre-cut these.

I also want to expedite things for this activity and will have them practice drawing shapes at another time.

In this way, I am assured that I can review all of the shapes and give them an opportunity to choose whatever shapes they want.

This way I also get all sorts of unique Jack-O-Lanterns with hexagons, ovals, triangles etc, instead of children simply putting a smile face on a pumpkin.

Because this is a life cycle I have the opportunity to involve science and how things grow. Things are done in a specific order so I can review ordinal numbers: first comes the seeds, second comes the sprout etc.

The picture is divided into $\frac{1}{4}$ ths so it's perfect to introduce or review fractions
Common Core math standard 1.G.3 with first graders.

That's specifically why I added the 2 skill sheets with the pumpkin pie and stem activities.

You can also add the triangle brown pie shape to the pumpkin pie life-cycle dangler if you want. Have students add the title: *Life Cycle of a Pumpkin: From Seeds to Pie* and then add their name on the back.

Materials:

- 8 inch paper plates
- aluminum foil
- hole punch
- yarn
- glue sticks
- scissors
- crayons
- brown, green orange construction paper
- white copy paper

Directions:

Prep:

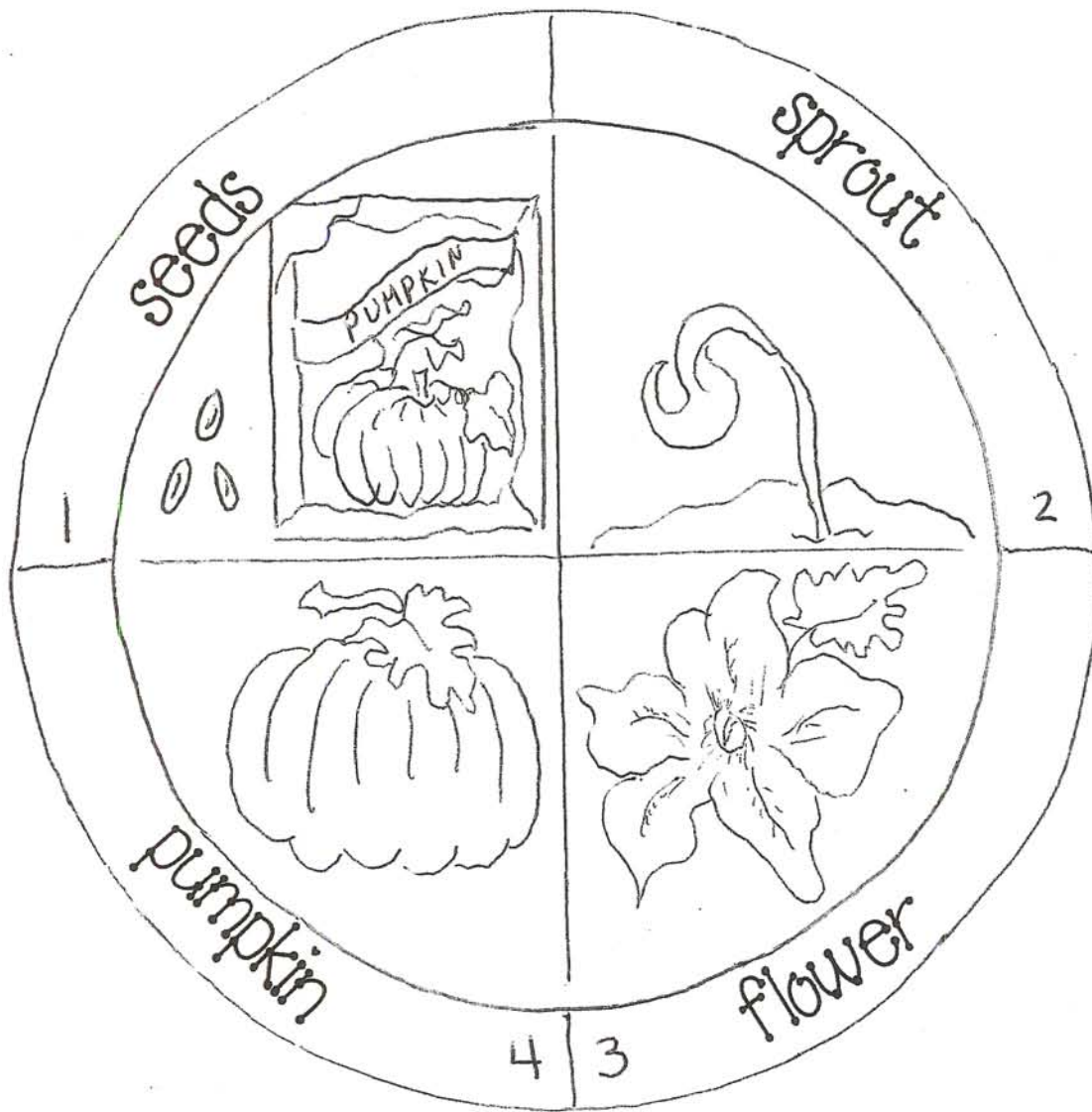
- Run off life cycle. You can have these pre-cut for younger students to expedite things.
- Run off pumpkin circle on orange construction paper.
- Pre-cut a variety of black shapes for the facial features for the Jack-O-Lantern. Put in Dixie Cups, and set up as a center.
- Cut strips of green for the pumpkin stem. Put in a Dixie Cup and set up at center.
- Pre-cut aluminum foil circles so that they are a bit bigger around than the paper plates. Put one in-between each plate so they don't stick together.

The next day...

- Students fold the foil over their plate so that it looks like a pie tin.
- Children color and glue life cycle circle to the center of their pie plate.
- After reviewing shapes, students cut out their orange circle and either draw a variety of black shapes on it to look like a Jack-O-Lantern or glue on the shapes.
- Students glue the green rectangular stem to the BACK of the circle pumpkin.
- Children glue their pumpkin to the back of their pie plate.

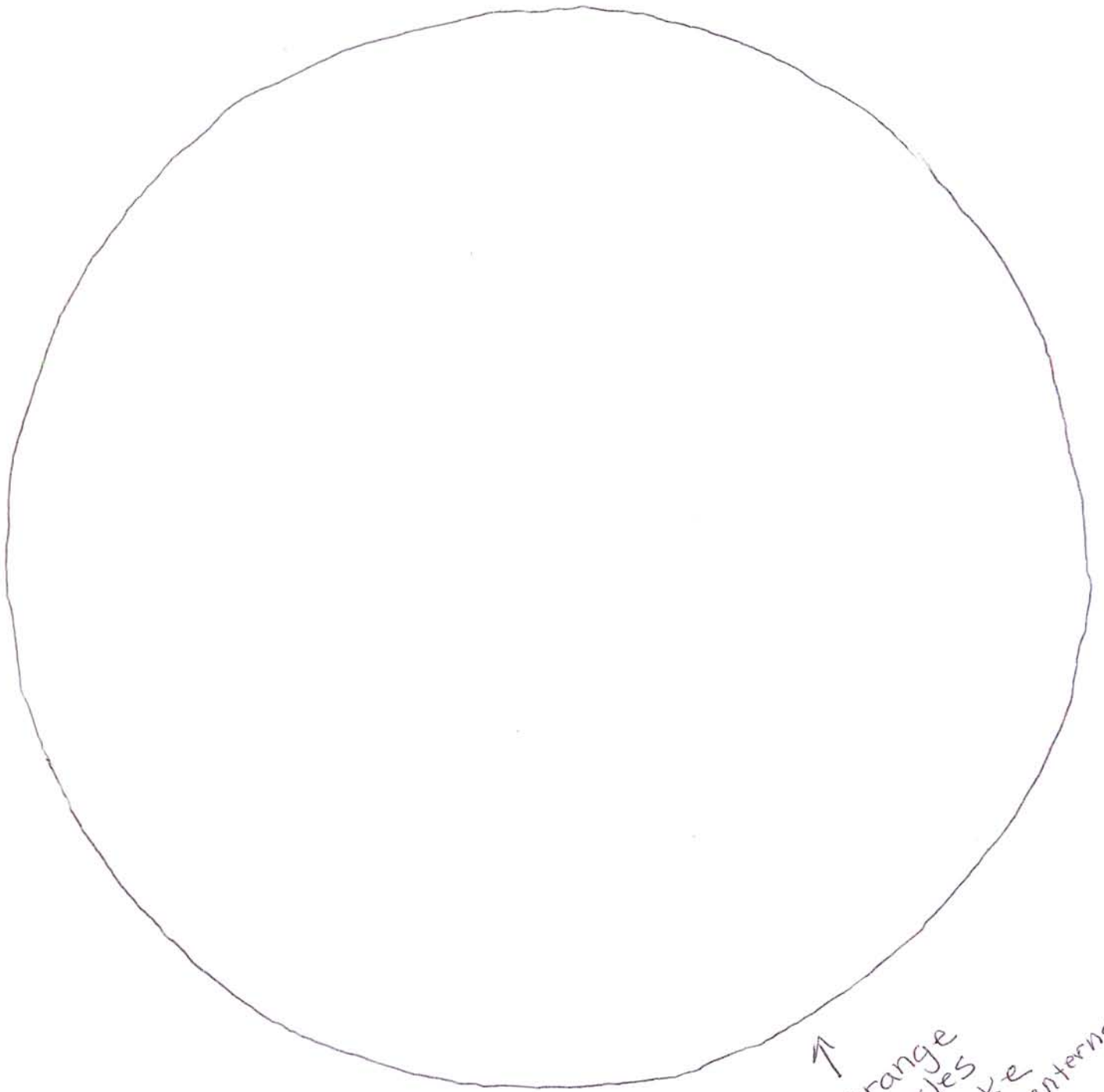
- Punch a hole in the top of the stem and hang from the ceiling.
- Review the life cycle of a pumpkin with your students.
- Follow up the activities by reading some pumpkin stories.
- If you have first graders and are going to do the fraction sheets, you may want to add the slice of pumpkin pie.
- Make a cardboard template out of recycled file folders and have them trace and cut a triangle piece of pie.
- Hole punch the bottom of their plate and the corner of their pie. Tie with yarn.
- Students can add the title and their name as explained in the background.
- Suspend from the ceiling.





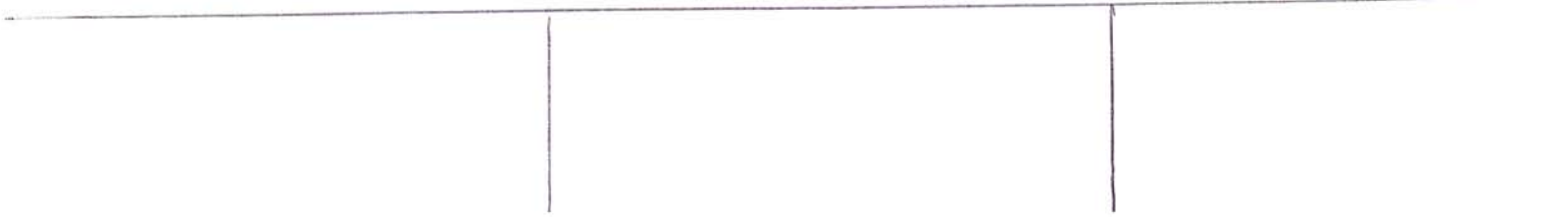
The Life Cycle Of A Pumpkin

This circle picture is in fourths.



↑
orange
circles
to make
Jack-O-lanterns
face parts =
other
shapes.

Green Strips for Stem = rectangle



I want to share my pumpkin pie with

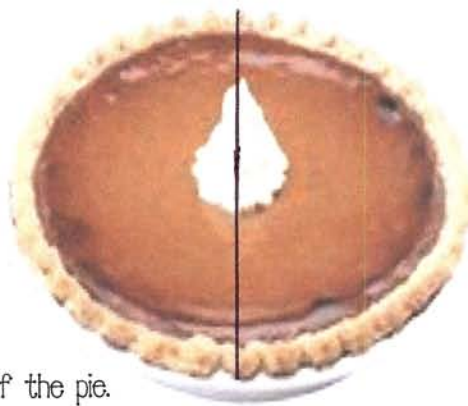
I need to divide it in half.

divide

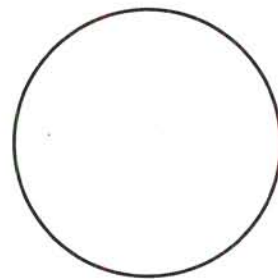
half



This is half of the pie.



You draw.

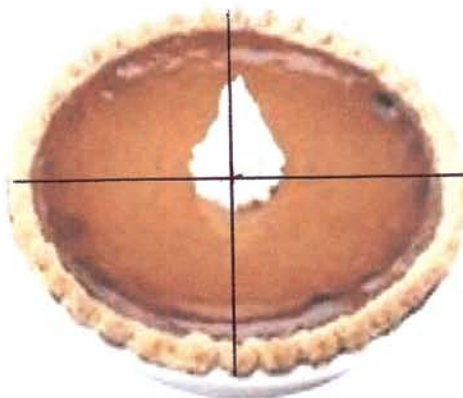


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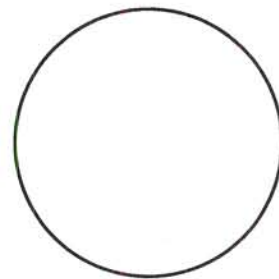
fourths

quarters

This piece is a quarter or fourth of the pie.



You draw.



If I wanted to share my pie with more people, I would have to cut my pie into even smaller pieces.

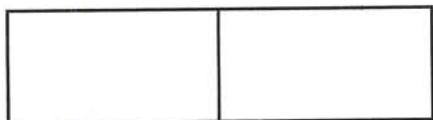
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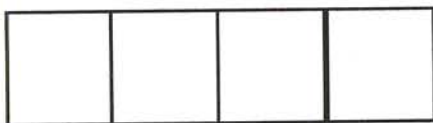
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