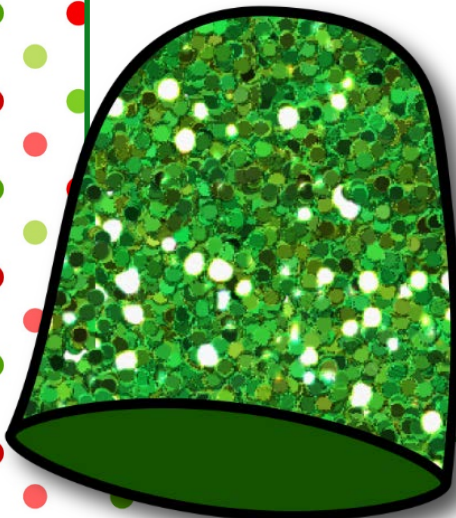


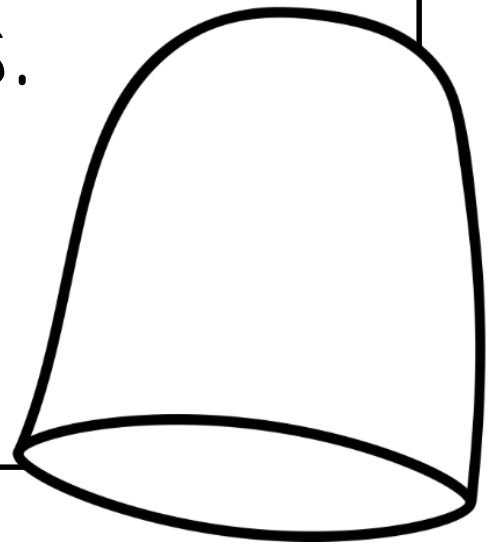
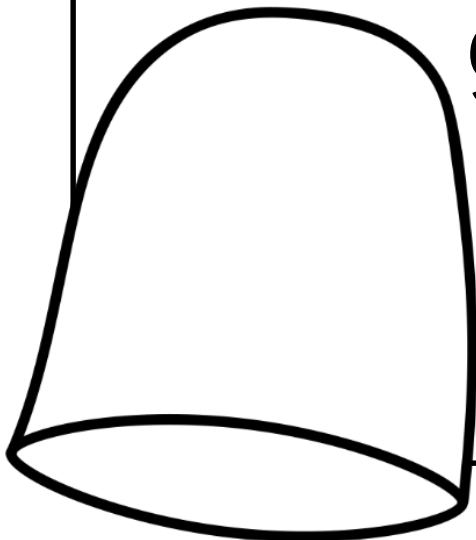
GUMDROP CHRISTMAS TREE challenge

Construct the tallest possible Christmas tree from toothpicks and gumdrops.



GUMDROP CHRISTMAS TREE challenge

Construct the tallest possible Christmas tree from toothpicks and gumdrops.



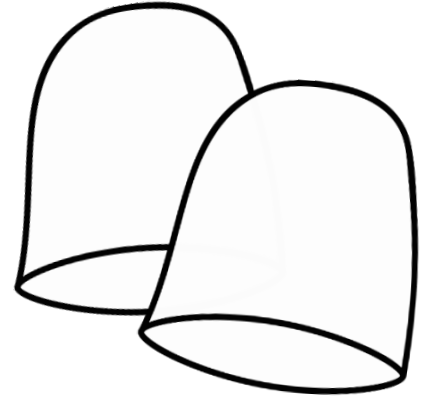
**ADVANCED
VERSION**

GUMDROP CHRISTMAS TREE CHALLENGE

Objective: Construct the tallest possible Christmas tree from toothpicks and gumdrops.

Materials:

- Christmas gumdrops
- Toothpicks
- Rulers or other measuring tools



Procedures:

1. Gather the materials.
2. Sketch or write a plan for your Christmas tree.
3. Begin with a simple tree made of only 5 gumdrops and 4 toothpicks. Measure the simple tree.
4. Challenge yourself by building the tallest tree possible.
5. Measure your tree at least three different times during construction. Determine the final measurement of your tree.
6. Calculate the difference between the measurement of your simple tree and the measurement of your final tree.
7. Compare and contrast the process to create the simple tree and the process to create your final tree.

GUMDROP CHRISTMAS TREE CHALLENGE

Name: _____ Date: _____

Materials:

Plan:

Measurements:

Simple Tree: _____

#1 _____

2 _____

#3 _____

What worked well with your tree construction?

What was challenging?

What would you do differently next time?

BASIC VERSION

GUMDROP CHRISTMAS TREE CHALLENGE

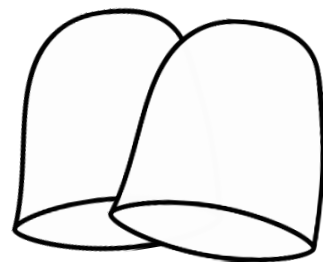
Objective: Construct the tallest possible Christmas tree from toothpicks and gumdrops.

Materials:

- Christmas gumdrops
- Toothpicks
- Rulers or other measuring tools

Procedures:

1. Gather the materials.
2. Sketch or write a plan for your Christmas tree.
3. Challenge yourself by building the tallest tree possible.
4. Measure your tree at least three different times during construction. Determine the final measurement of your tree.



GUMDROP CHRISTMAS TREE CHALLENGE

Name: _____ Date: _____

Materials:

Plan:

Measurements:

#1 _____

2 _____

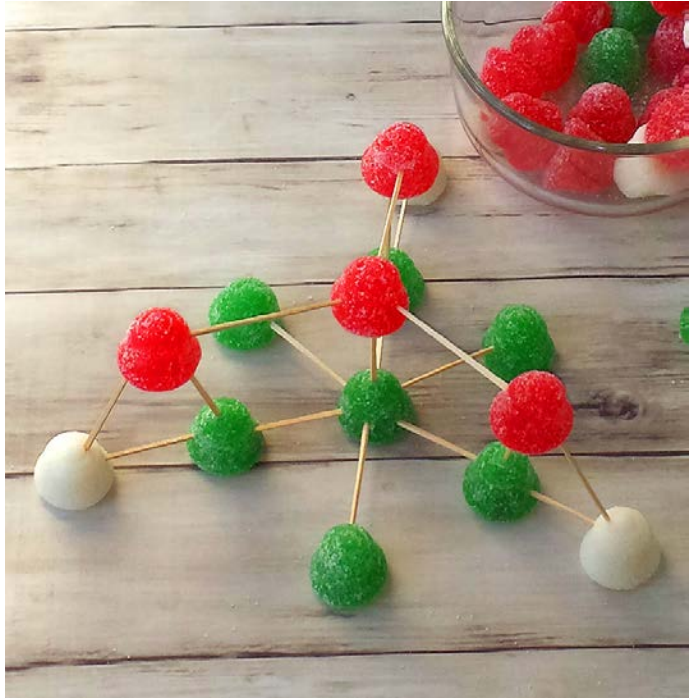
#3 _____

What worked well with your tree construction?

What was challenging?

What would you do differently next time?

EXAMPLE TREES



This resource was created by Jennifer Findley. It may be printed and photocopied for single classroom use. It may not be put on the Internet, sold, or distributed in any form. Check out my store for more resources that are common core aligned.



Follow my blog for updates, resources, and freebies.

www.JenniferFindley.com

Thanks!
Jennifer Findley

