

## 2023 CHRISTMAS CHALLENGE

Teacher \_\_\_\_\_

*CHOOSE 3 of the 4 Activities grades 3-5*

*Name* \_\_\_\_\_

*CHOOSE 4 of the 5 Activities grade 6*

### #1 Bible

Read Luke 1-2 and Matthew 1-2

Choose a character from the Christmas story. Write 5-10 sentences describing the **first** Christmas morning and how you (as the character) felt that day.

### #2 Gingerbread

Oh, the smell of Gingerbread! Decorated gingerbread cookies, gingersnaps and gingerbread houses with candies and icing are often a seasonal smell in the kitchen.

Many books have been written about gingerbread houses and cookies! Choose one or two to read as a family. Here are a few examples.



**Challenge:** Make a gingerbread house of gingerbread, graham crackers, poptarts, etc. with your family. On a notecard include the following:

Book title read: \_\_\_\_\_

Measure house in length \_\_\_\_\_ Perimeter of the door \_\_\_\_\_  
width \_\_\_\_\_ Area of the house \_\_\_\_\_  
height. \_\_\_\_\_

How many windows? \_\_\_\_\_

How many doors? \_\_\_\_\_

How many candies did you use to decorate? \_\_\_\_\_

List materials used for your gingerbread house..

Have fun with your family!

**Take a picture** of your gingerbread house and the note card. Return to your teacher on Jan. 3rd, 2024.

### #3 Run, Run, as fast as you can....

Can you run as fast as the Gingerbread Man? Run/walk a mile 3 times during the Christmas holidays and see if you beat your own time!

Run 1 \_\_\_\_\_minutes/mile    Run 2 \_\_\_\_\_minutes/mile    Run 3 \_\_\_\_\_minutes/mile

Show your data in a graph.

### #4 Memories

What are three of your favorite Christmas gifts of the past?

What are three gifts that keep on giving?

Answer the two questions in 2 paragraphs, 5-10 sentences each.

### #5 Christmas Tree Mathematics    Sixth Grade REQUIRED

Ratio/%/ Fractions/ Decimals

1000 ornaments were purchased for 8 trees.

If evenly distributed, how many ornaments were on each tree? \_\_\_\_\_

What percentage of total ornaments were on each tree? \_\_\_\_\_

What fraction of ornaments were not used? \_\_\_\_\_

How many ornaments are on your tree at home? \_\_\_\_\_

Group your ornaments by similarities. (Color, Santas, Nativity, Homemade, etc.)

Group 1 \_\_\_\_\_

Group 2 \_\_\_\_\_

Group 3 \_\_\_\_\_

Group 4 \_\_\_\_\_

What is the ratio of Group 3 ornaments to Group 4 ornaments ? \_\_\_\_\_

Which group has the highest percentage of ornaments? \_\_\_\_\_

Which group has the smallest fraction of ornaments? \_\_\_\_\_

SHOW YOUR WORK!!!