



The Great  
CLASSROOM ESCAPE



4th Grade  
Math

Revenge of the  
Gingerbread Man

Digital Escape Room



The Great  
CLASSROOM ESCAPE

Standards  
4.OA.A.1, 4.OA.A.2,  
4.OA.A.3, 4.OA.B.4,  
4.NBT.B.5, 4.NBT.B.6

# 4th Grade Math Skills!

## Fast Facts

 No prep, click & go! Optional printable pages

 Escape time ~40-60 minutes

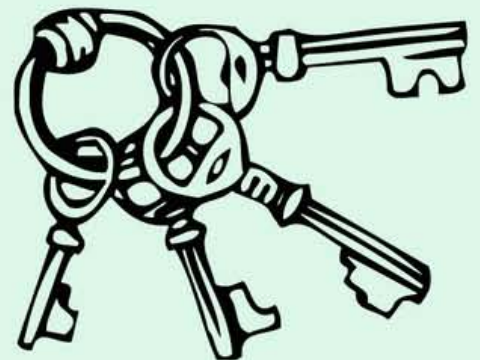
 Recommended to use in pairs or groups

 Requires internet connected device

 Self-Checking

 Virtual or in-person

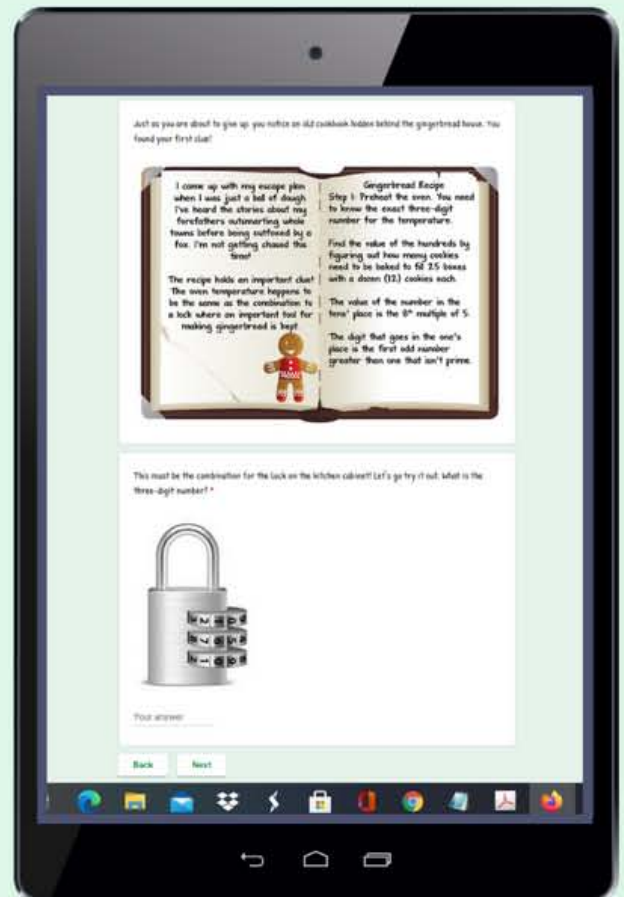
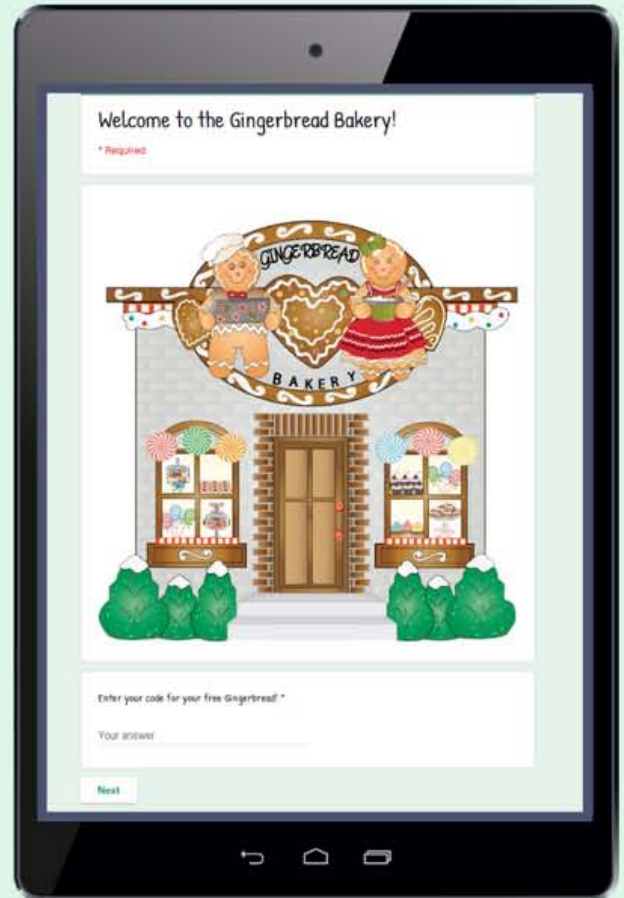
 Five Engaging Puzzles





# How it Works:

- The escape room is automated by a Google Form™ (Google™ accounts are not required).
- Students only progress through the puzzles when correct answers are entered.
- Use the quick start link to click & go, or create a copy of the form to save to your drive (the teacher must have a Google Account to save a copy).
- The form provides hints if students enter incorrect answers.



# Sample Puzzles

I came up with my escape plan when I was just a ball of dough. I've heard the stories about my forefathers outsmarting whole towns before being outfoxed by a fox. I'm not getting chased this time!

The recipe holds an important clue! The oven temperature happens to be the same as the combination to a lock where an important tool for making gingerbread is kept.



## Gingerbread Recipe

Step 1: Preheat the oven. You need to know the exact three-digit number for the temperature.

Find the value of the hundreds by figuring out how many cookies need to be baked to fill 25 boxes with a dozen (12) cookies each.

The value of the number in the tens' place is the 8<sup>th</sup> multiple of 5.

The digit that goes in the one's place is the first odd number greater than one that isn't prime.

SALES RECEIPT  
ALL SALES ARE FINAL

COST OF COOKIES:  
GINGERBREAD HOUSE: \$14  
SNOWMEN: \$1  
SNOWFLAKES:  
STARS: \$6

ORDER NUMBER

27 GINGERBREAD  
8 BOXES OF SNOWMEN  
34 BOXES OF SNOWFLAKES

TOTAL: \_\_\_\_\_

SALES RECEIPT  
ALL SALES ARE FINAL

ORDER NUMBER

A PHONE IN ORDER NUMBER PLACED FOR GINGERBREAD PEOPLE AND GINGERBREAD PETS. THE ORDER INCLUDED 342 GINGERBREAD PEOPLE THAT IS SIX TIMES NUMBER OF GINGERBREAD PETS THAT WERE ORDERED. HOW MANY GINGERBREAD PETS AND PEOPLE WERE ORDERED ALL TOGETHER?

TOTAL: \_\_\_\_\_

SALES RECEIPT  
ALL SALES ARE FINAL

COST OF COOKIES:  
GINGERBREAD HOUSE: \$14.79

SNOWMEN  
SNOWFLAKES  
STARS

ORDER NUMBER

1 GINGERBREAD  
2 SNOWMEN  
4 SNOWFLAKES  
12 STARS

TOTAL: \_\_\_\_\_

SALES RECEIPT  
ALL SALES ARE FINAL

FOX MEADOW ELEMENTARY THE ELEMENTARY SCHOOL HAS ORDERED A COOKIE FOR EVERY CHILD IN THEIR SCHOOL. FIND THE TOTAL NUMBER OF COOKIES NEEDED. 13 COOKIES COME IN EACH BOX.

ORDER NUMBER 2:

11 BOXES OF SNOWMEN  
237 GINGERBREAD PEOPLE (SOLD INDIVIDUALLY, NOT IN BOXES)

TOTAL COOKIES: \_\_\_\_\_



Directions

7 dozen snowflake cookies need to be baked (One dozen = 12)



Directions

Star cookies are small. Lots of them can fit onto one pan. 5 pans of star cookies need to be baked for a total of 270 cookies. How many cookies will fit on each pan?



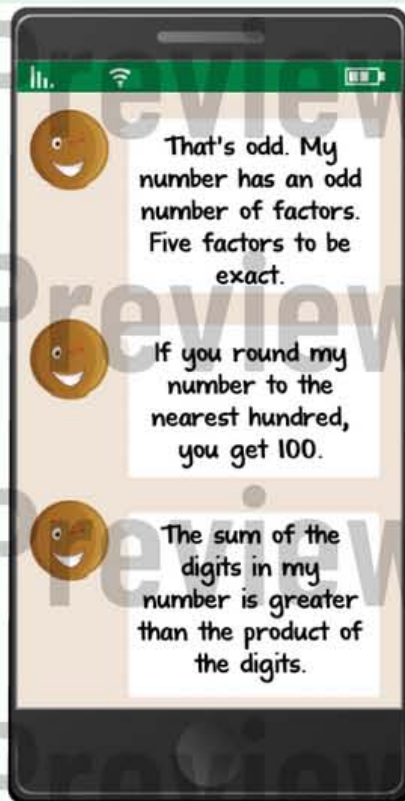
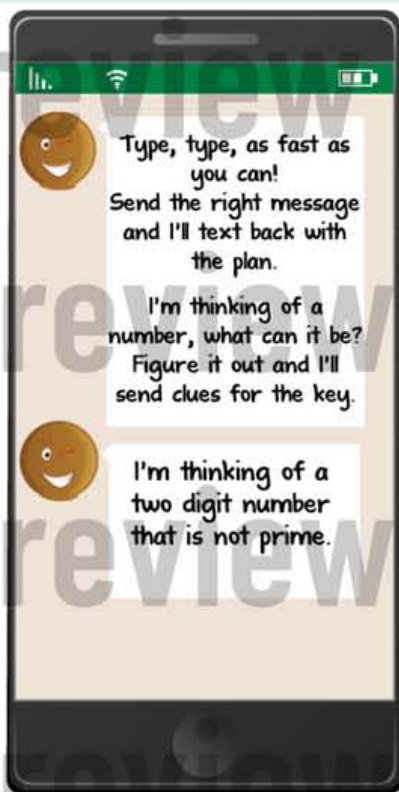
Directions

5 dozen mitten shaped cookies must be baked on 4 cookie pans. If the cookies are divided equally among all four pans, how many cookies should go on each pan?





# Sample Puzzles



Once upon a time, there was a very clever gingerbread man. Before he was even baked, he came up with a plan to lock the people who would try to eat him inside the bakery. He thought of clever clues for the people to solve while he made his escape.

He built a very fancy house and hid clues inside. He could be heard singing:

"Push, push, as fast as you can.  
While I get away in the bakery van.  
You may have found out the safe combination,  
But how will you do with gingerbread decoration?"

The very clever gingerbread man had six gingerbread friends. Their names were Red, Orange, Yellow, Green, Blue and Purple. They each had a different number of gumdrop buttons (one, two, three, four, five, and six). Find out how many buttons each one had to find out the order to push the buttons in!

77 buttons were shared between a batch of 8 gingerbread people. They divided them equally, then they gave Yellow what was left over.

Green and the three cookies he was baked with started with 32 buttons. Half of the buttons got broken. The four gingerbread men shared what was left equally.

Red has two more buttons than Blue.

Orange has more buttons than Blue, but fewer buttons than Red.

Purple has two times as many buttons as Red.

1	2	3	4	5	6
Number of Buttons					

# Optional Printable Pages

Work, work, as fast as you can  
Solve the puzzles from the Gingerbread Man!  
Use this page to help you out.  
You can do it, I have no doubt.

How Many Buttons?

$\frac{\quad}{1}$      $\frac{\quad}{2}$      $\frac{\quad}{3}$      $\frac{\quad}{4}$      $\frac{\quad}{5}$      $\frac{\quad}{6}$   
 Number of Buttons

## Student Recording Page

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Guess My Number



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## Success Signs

I DIDN'T CATCH THE GINGERBREAD MAN!  
(BUT I DID ESCAPE)

The Great CLASSROOM ESCAPE



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4.NBT.B.5

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