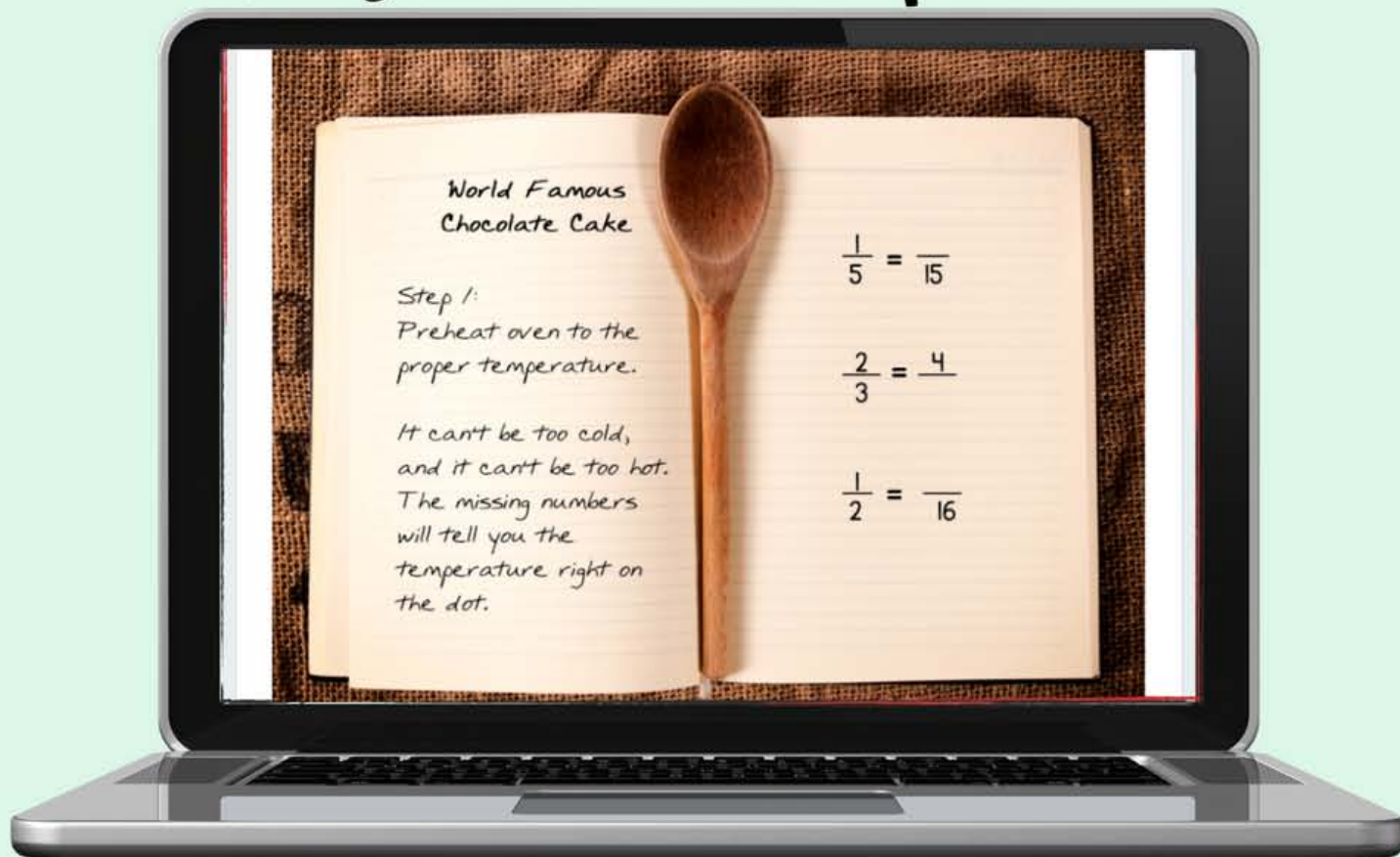




4th
Grade

Equivalent Fractions & Comparing Fractions Digital Escape Room



Standards
4.NF.A.1
4.NF.A.2

4th Grade Math Skills
Create equivalent fractions, compare fractions with $<$, $>$, and $=$, simplify fractions & more!

Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~45-60 minutes

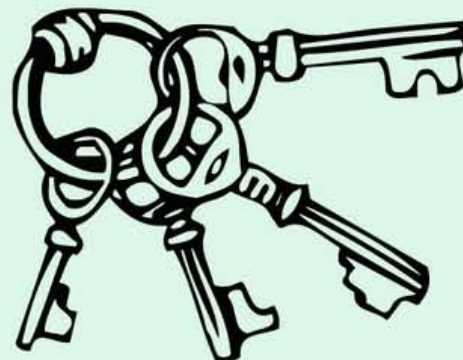
 Complete individually or in small groups

 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).
- 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).
- Students only progress through the puzzles when correct answers are entered.
- The form provides hints if students enter incorrect answers.



Puzzle Preview

World Famous Chocolate Cake

Step 1:
Preheat oven to the
proper temperature.

It can't be too cold,
and it can't be too hot.
The missing numbers
will tell you the
temperature right on
the d

$$\frac{1}{5} = \frac{\quad}{15}$$

$$\frac{2}{3} = \frac{4}{\quad}$$

$$\frac{1}{2} = \frac{\quad}{16}$$

Step 2: Measure All
Ingredients Carefully.

The measurements in the
recipe are not the norm. You'll
need to put them in to simplest
form.

Simplify each fraction and
use the grid to find the code
words for the place where
more recipes I hid.

		Numerator			
		1	2	3	5
Denominator	2	U	A	S	L
	3	T	R	H	G
	4	I	P	E	Y
	8	C	O	N	D

$\frac{8}{12}$ cup sugar

$\frac{12}{16}$ cup flour

$\frac{10}{16}$ cup cocoa powder

$\frac{4}{8}$ cup brown sugar

$\frac{4}{32}$ tsp. salt

$\frac{9}{12}$ tsp. baking powder

$\frac{4}{16}$ tsp. baking soda

$\frac{3}{9}$ cup milk

2 eggs

1 cup water

Puzzle Preview

Whether I'm serving up cake or pie slices
Or carefully measuring each of my spices,
Knowing my fractions is the key
So for you the key fractions will be.

To find the word to unlock the door
Find the smallest common denominator, this is your last chore.
Substitute each number for a letter
Knowing fractions makes baking better!

$$\frac{2}{3} \text{ and } \frac{1}{2} \quad \frac{2}{9} \text{ and } \frac{1}{2} \quad \frac{3}{5} \text{ and } \frac{2}{3} \quad \frac{1}{19} \text{ and } \frac{19}{1}$$

$$\frac{4}{5} \text{ and } \frac{1}{4} \quad \frac{1}{3} \text{ and } \frac{2}{9} \quad \frac{3}{2} \text{ and } \frac{5}{7} \quad \frac{3}{1} \text{ and } \frac{5}{7}$$

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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

all dry
and combine them
lk, eggs, and water.

greased cake pan.
ould be heated to
number of degrees.
ing does the cake
tell me please.

er when you figure
cake will be
ave no doubt.

Step 4: Bake the cake for
the exact amount of time of
-- minutes and -- seconds.

The denominator of the larger
fraction: $\frac{3}{8}$ $\frac{1}{2}$

The numerator of the larger
fraction: $\frac{5}{7}$ $\frac{1}{2}$

The denominator of the
smaller fraction: $\frac{2}{3}$ $\frac{3}{4}$

The numerator of the smaller
fraction: $\frac{5}{8}$ $\frac{6}{7}$

Sometimes cake is cut into 8 slices, sometimes it's
cut into 10.

I want to charge my customers a fair amount so
they will c

I must understand how
Otherwise customers c

Sometimes I us
other times common
Sometimes I visually com
of diffe
I look to see which is mor
no su

Choose the strategy t
Then solve the problems
ch

$$\frac{9}{7} \bigcirc 1\frac{1}{4}$$

$$\frac{2}{3} \bigcirc \frac{6}{8}$$

$$\frac{17}{20} \bigcirc \frac{7}{8}$$

$$\frac{12}{10} \bigcirc 1\frac{1}{5}$$

$$\frac{2}{5} \bigcirc \frac{1}{3}$$

Optional Printable Pages

Fraction Helpers

We Cut Our Cakes Into Equal Parts!

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Bakery Visual Fraction Helpers

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Invitation

Success Signs

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Operation Save Summer Vacation

DIGITAL ESCAPE ROOM!

4TH GRADE MATH CONTENT

4.OA.B.4, 4.NF.A.1, 4.MD.A.1, 4.OA.A.1, 4.NBT.B.4 & More!

Easy to implement! Automated with a Google Form™!

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