

6.NS.A.1

# Dividing Fractions

## Digital Escape Room



Standard  
**6.NS.A.1**

6th Grade Math Skills  
-Dividing fractions and mixed-numbers  
-Solving word problems involving  
division of fractions

# Fast Facts

 No prep, click & go!

 Escape Time ~45-60 minutes

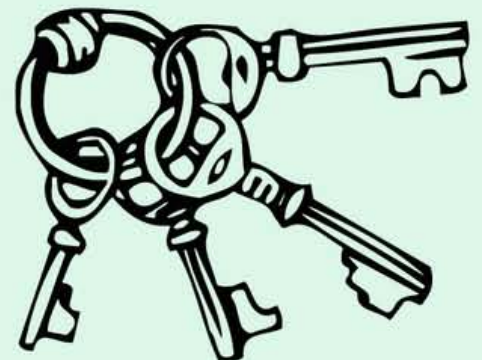
 Use individually or in small groups

 Requires internet connected device

 Self-Checking

 Virtual or in-person

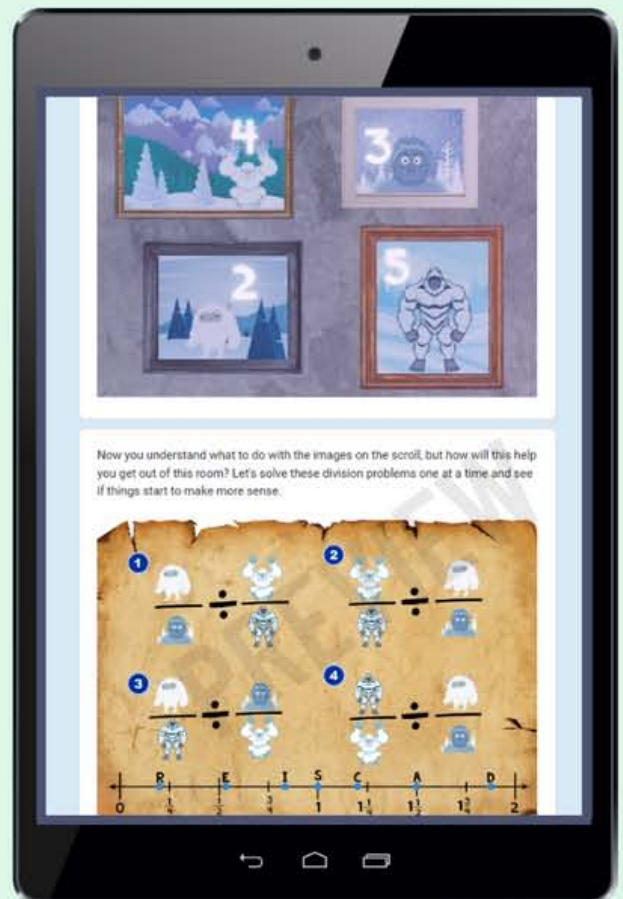
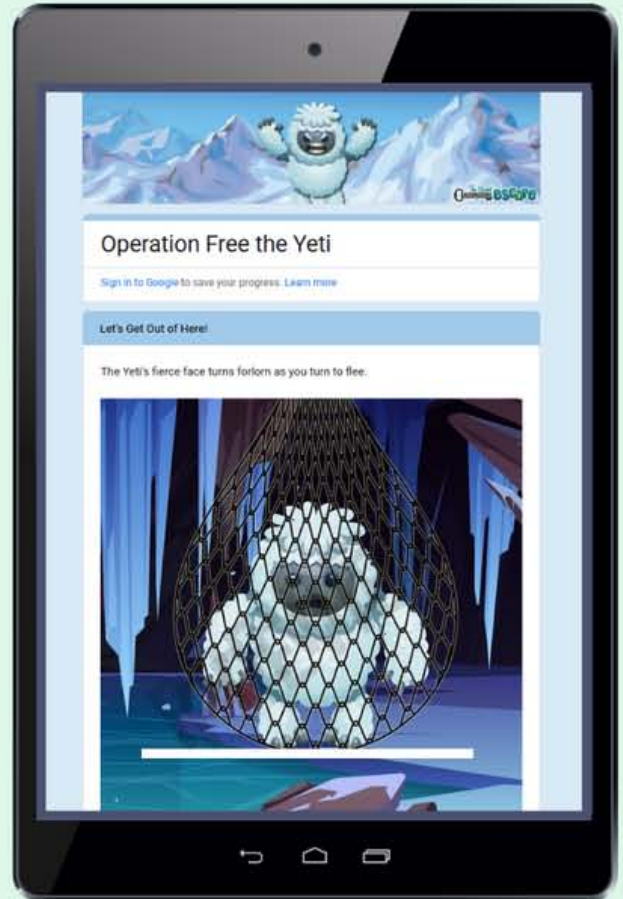
 Five+ Engaging Puzzles





# 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

ARE YOU YETI TO ESCAPE?  
THIS CODE WILL HELP.  
A=1. B=2.  
C=3...

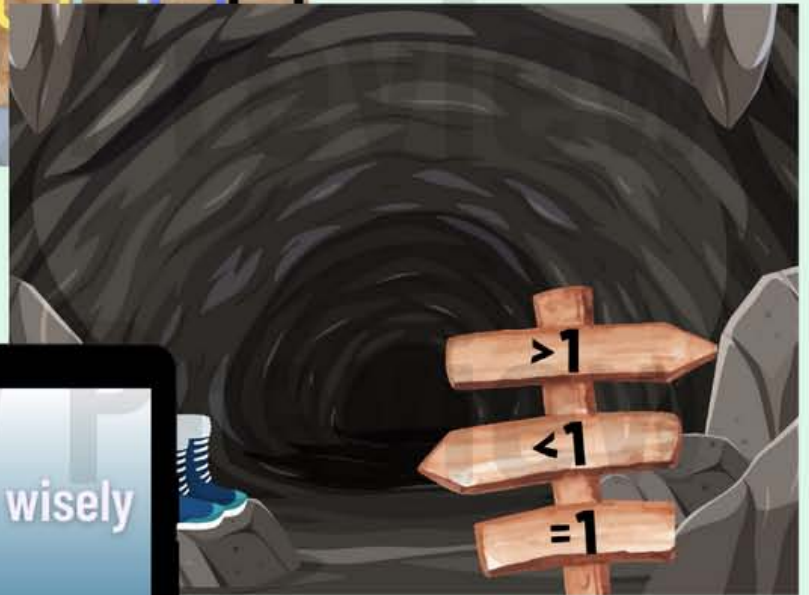
25 5 20 8  
Y E T I

$$\frac{1}{9} \div \frac{2}{5} = \frac{\square}{\square}$$
$$\frac{3}{13} \div \frac{2}{5} = \frac{\square}{\square}$$
$$7\frac{1}{12} \div \frac{1}{2} = \square \square$$

Choose your path wisely

$$\frac{3}{11} \div 11$$

Choose your path wisely

$$\frac{3}{5} \div \frac{7}{16}$$


x 5



# Puzzle Preview

1  $\frac{1}{2} \div \frac{1}{3} = ?$

2  $\frac{2}{3} \div \frac{1}{4} = ?$

3  $\frac{1}{4} \div \frac{1}{2} = ?$

4  $\frac{3}{4} \div \frac{1}{3} = ?$

Number line: 0,  $\frac{1}{4}$  (R),  $\frac{1}{2}$  (E),  $\frac{3}{4}$  (I), 1 (S),  $1\frac{1}{4}$  (C),  $1\frac{1}{2}$  (A)



Turn the handle this far to the right:

The Yeti's footprint is  $1\frac{2}{3}$  feet long.

How many footprints can fit in one foot?

Turn the handle this far to the right:

The Himalayas grow  $\frac{5}{6}$  of an inch per year. How many years will it take for the Himalayas to grow one foot?

\*There are 12 inches in a foot.

USE THE BUTTONS TO OPERATE THE HOIST. THE NUMERATOR ANSWER TELLS HOW MANY TIMES TO PUSH THE TOP BUTTON. THE DENOMINATOR TELLS HOW MANY TIMES TO PUSH THE BOTTOM BUTTON.

A	B	C	J	K	L
D	E	F	M	N	O
G	H	I	P	Q	R

S	W
T	X
U	Y
V	Z

0 1 2 3 4 5 6 7 8 9

x3



# You May Also Like

**The Great CLASSROOM ESCAPE**  
**OPERATION SAVE THE ROCKET LAUNCH**  
 Evaluating Expressions Word Problems

PIN Digit 4  
 How much space is left?  
 The expression  $c^3 - 8d$  gives the number of cubic feet of storage space that remain in a cube-shaped container that the rocket is taking to the space station. How much space is left in the container if  $c = 3$  and  $d = 24$ ?

**EASY TO IMPLEMENT!**

MISSION CONTROL CENTER  
 Four digit PIN? Where is there a four digit pin?  
 Click four random numbers and see what happens.  
 Go back out into the hallway. Maybe the mission control team has been released and

6TH GRADE CONTENT 6.EE.A.2 6.EE.A.2A 6.EE.A.2C  
**DIGITAL ESCAPE ROOM!**

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 Digital Escape Room Bundle

**EASY TO IMPLEMENT!**

Y  
 8  
 7  
 6  
 5  
 4  
 3  
 2  
 1  
 0  
 -1  
 -2  
 -3  
 -4  
 -5  
 -6  
 -7  
 -8

X  
 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

T A L U  
 S A E D  
 K N  
 M O R  
 C

6TH GRADE CONTENT 6.EE.A.2 6.EE.A.2A 6.EE.A.2C  
**DIGITAL ESCAPE ROOM!**

**The Great CLASSROOM ESCAPE**  
**Operation Restore Order**

**6.EE.A.1**

**TOP SECRET**  
 NAME: Ota, Key  
 KNOW ALREADY: Chase

WANTED FOR:  
 You are in possession of sensitive data concerning the location of the...  
 Instead of by the...  
 This has been...  
 METHODS OF OPERATION:  
 You are...  
**CONFIDENTIAL**

0 4 9  
 8 2 0  
 3 9

$3^2 + 9 + 3 + 6 = 10$   
 $5^2 - 7 + 3 + 6 = 12$   
 $4^2 + \frac{1}{4} + 32 + 2 = 4$

Order of Operations with Exponents  
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**NEGATIVE NUMBERS & ABSOLUTE VALUE**  
 6TH GRADE MATH STANDARDS

Easy to implement! Automated with a Google Form™!  
 Does NOT require Google Classroom™ or e-mail addresses

**ESCAPE ANTARCTICA**  
**DIGITAL ESCAPE ROOM!**



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