

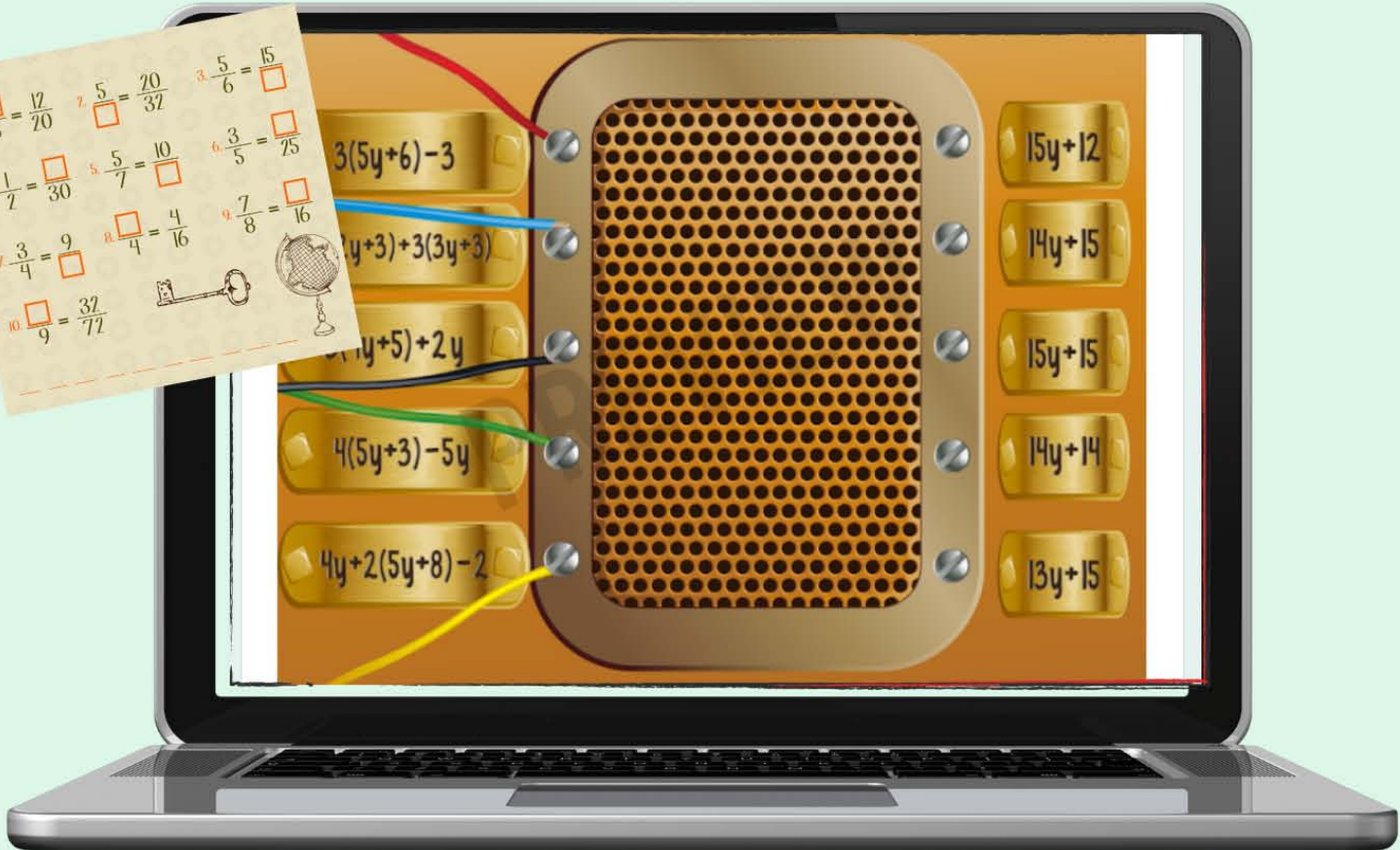


6th
Grade
Math
Skills

Operation Save Summer Vacation

Digital Escape Room

1. $\frac{\square}{5} = \frac{12}{20}$ 2. $\frac{5}{\square} = \frac{20}{32}$ 3. $\frac{5}{6} = \frac{15}{\square}$
4. $\frac{1}{2} = \frac{\square}{30}$ 5. $\frac{5}{7} = \frac{10}{\square}$ 6. $\frac{3}{5} = \frac{\square}{25}$
7. $\frac{3}{4} = \frac{9}{\square}$ 8. $\frac{\square}{4} = \frac{4}{16}$ 9. $\frac{7}{8} = \frac{\square}{16}$
10. $\frac{\square}{9} = \frac{32}{72}$



Standard

6.G.A.1, 6.NS.C.6, 6.NS.C.7,
6.NS.C.7a, 6.NS.C.7c, 6.EE.A.1,
6.EE.A.3, 6.EE.C.9, 6.RP.A.3

6th Grade Math Skills

Identifying points on the coordinate plane, area of composite shapes, equivalent expressions, comparing small negative numbers, & more!

Fast Facts



No prep, click & go!



Escape Time ~45-60 minutes



Complete individually or in small groups



Requires internet connected device



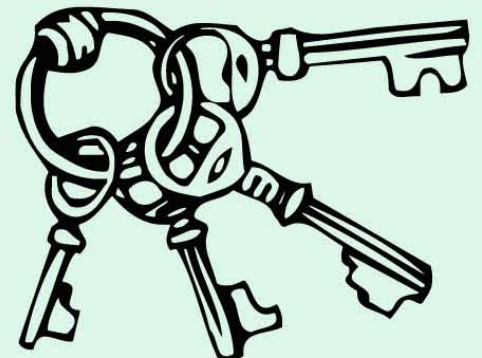
Self-Checking



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.



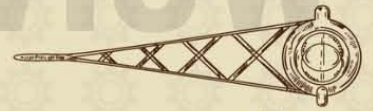
Puzzle Preview

STEP 1

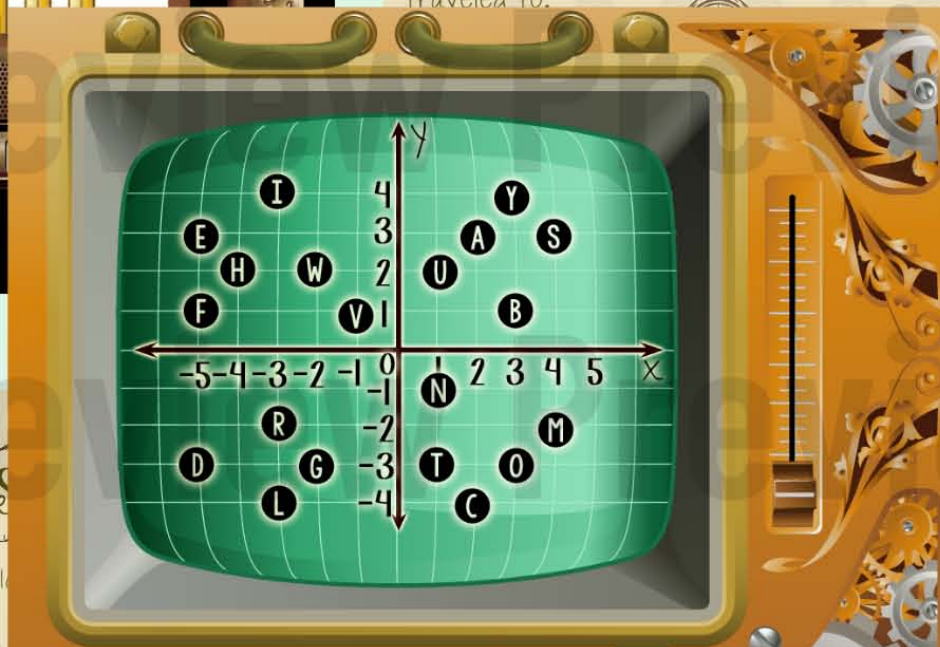
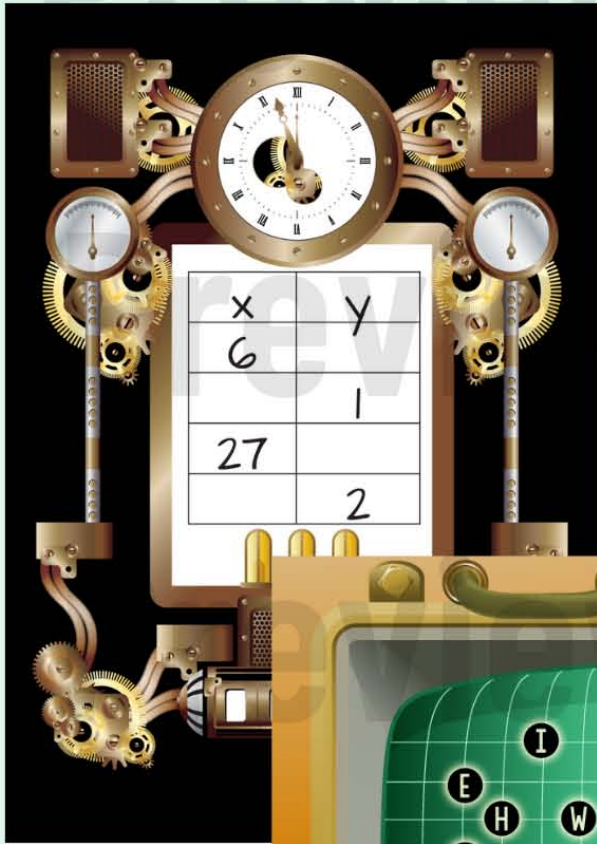
Find the Variable Date Machine. It is the one with a clock and a table with the variables x and y at the top.

Figure out the missing numbers in the table. To do this, follow this rule:

$$y = \frac{x}{3}$$



The four missing numbers will tell you the year that I have traveled to.



from into the Date
the lights on the
in this happens.

Locate the coordinate pl

Use the coordinates below to spell
the name of the town where I am.

Enter the name of the town to
which I have time traveled (it is all
one word).



(2, -4) (-4, 2) (-3, -2) (3, -3) (1, -1)
(-1, 1) (-3, 4) (-3, -4) (-3, -3)

$$2(2y+3)+3(3y+3)$$

$$3(4y+5)+2y$$

$$4(5y+3)-5y$$

$$4(5y+3)-5y$$

$$15y+12$$

$$14y+15$$

$$15y+15$$

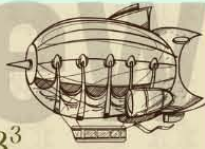
$$14y+14$$

$$13y+15$$

Puzzle Preview

Switch 1:

$$\frac{1}{2}(4 \times 2^2) + 2^3 \square 13 + \left(\frac{1}{3}\right)^2 \times 3^3$$



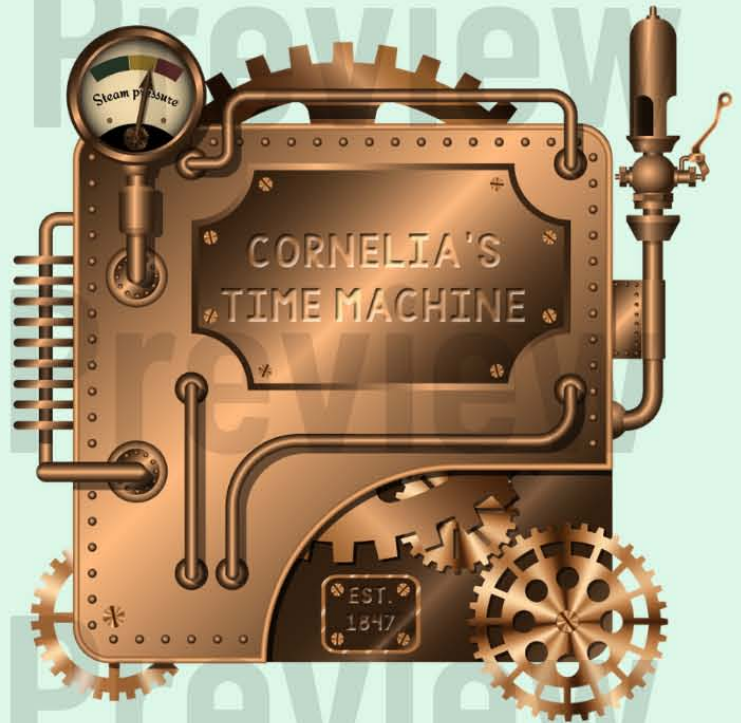
Switch 2:

$$-\frac{1}{2} \square -1\frac{3}{4}$$

Switch 3:

$$9(3^2 - 2) \square 9 \times 3^2 - 2$$

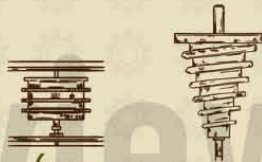
Switch 4:



STEP 3

The power generator must have a very precise amount of wire attached to it.

Find the spool of wire.



8 feet of wire are required for every 6 seconds of power needed to charge the time machine. The time machine will require 27 seconds of power to be fully charged.

How many feet of wire will be required?

Hint: Think about equivalent ratios.

STEP 6

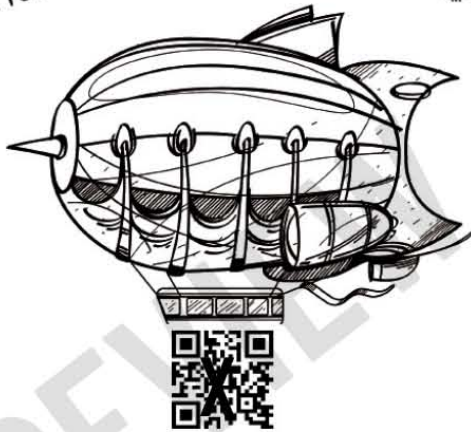
If you've gotten this far, then do what my Morse Code message instructed. The perimeter of the zone is already in place outside. The entire area must be covered with reflective material. See the sketch below. All angles that appear to be right angles are right angles. Measurements are in yards.



How many square yards of reflective material do you need to use (what is the area of the rectangle). Radio your answer so that I know it is safe to return.

Optional Printable Pages

Operation Save Summer Vacation



Something strange is happening. You have discovered that the day keeps repeating itself; you are stuck in a time warp. If you want this school year to end, you need to break out.

Optional invitation with QR code

Success Signs

SUMMER IS SAVED!

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 $e^3 - 8d$ gives the number of cubic feet of storage space that remains in a cube-shaped container that the rocket is taking to the space station. How much space is left in the container if $e = 3$ 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 and enter 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!

The Great CLASSROOM ESCAPE
SIXTH GRADE MATH
 Digital Escape Room Bundle

EASY TO IMPLEMENT!

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: [Redacted] Key
 KNOW ALREADY: [Redacted]

WANTED FOR:
 You are in possession of sensitive data. You are hereby notified that your actions will be reported to the FBI. You are hereby notified that you are in possession of sensitive data. You are hereby notified that you are in possession of sensitive data.

METHODS OF OPERATION:
 You are hereby notified that you are in possession of sensitive data. You are hereby notified that you are in possession of sensitive data.

CONFIDENTIAL

Order of Operations with Exponents
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE
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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