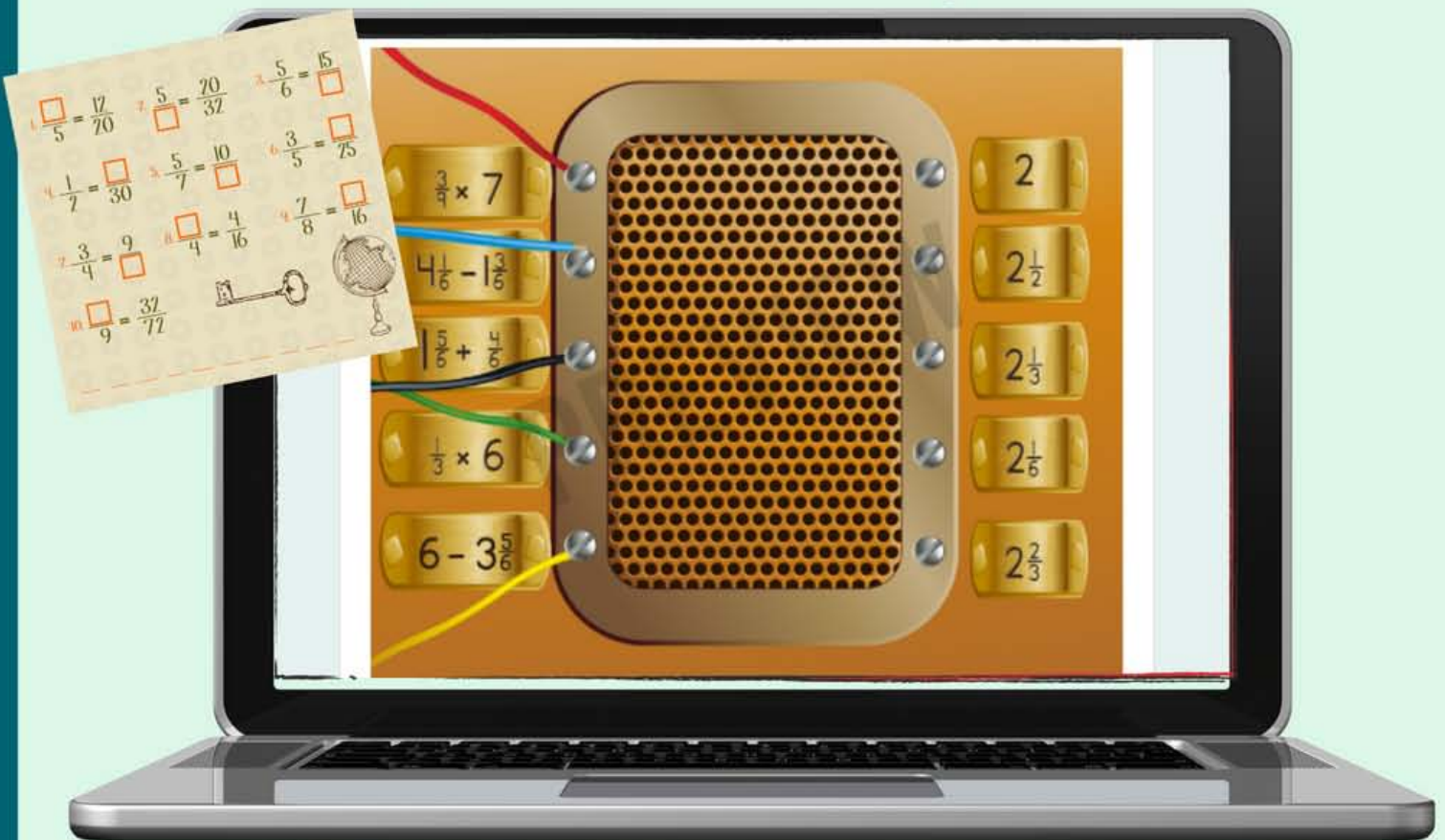




4th
Grade
Math
Skills

Operation Save Summer Vacation

Digital Escape Room



Standard

4.MD.A.1, 4.MD.A.3, 4.NBT.B.5,
4.OA.A.1, 4.OA.B.4, 4.NF.A.1,
4.NF.B.3, 4.NF.B.3c, 4.NF.B.4b

4th Grade Math Skills

Finding factor pairs, forming equivalent fractions, operations with fractions with common denominators, word problems & much more!

Fast Facts



No prep, click & go!



Escape Time ~45-60 minutes



Complete individually or in small groups



Requires internet connected device



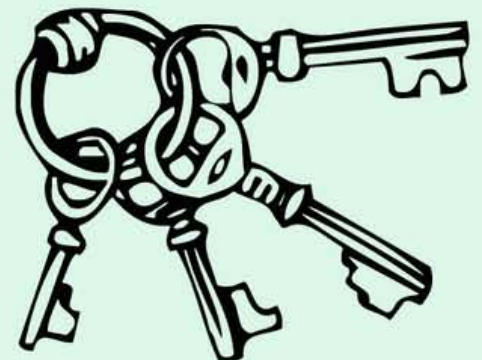
Self-Checking



Virtual or in-person



Five + Engaging Puzzles

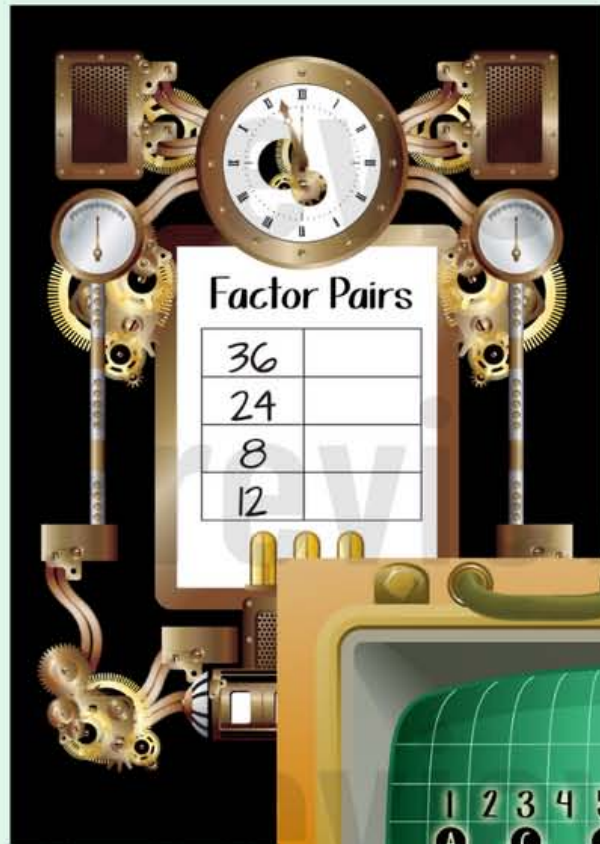


How it Works:

- 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



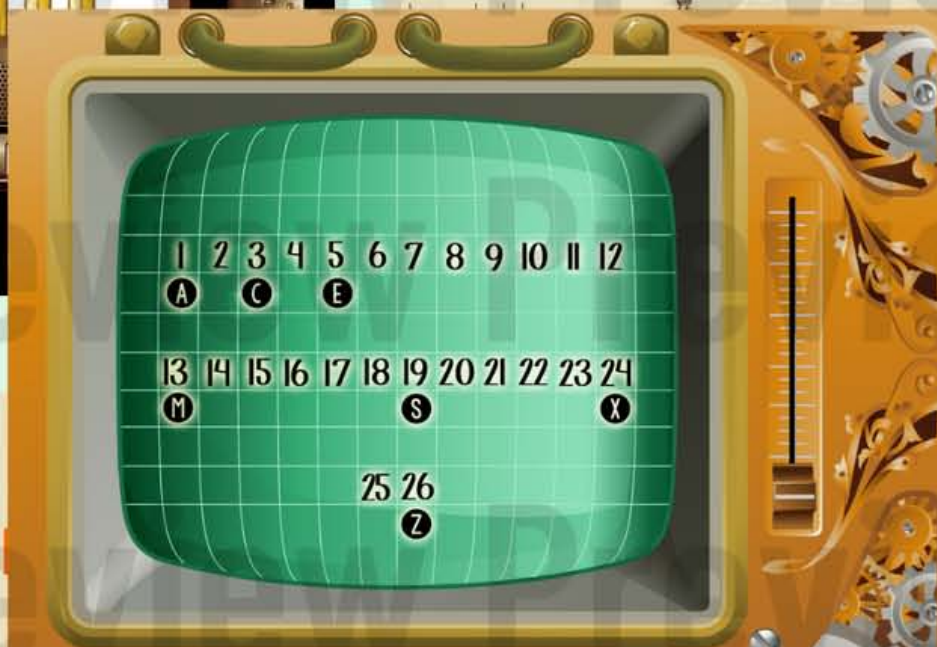
Find the Date Machine. It is the one with a clock on the top and a screen with the words "factor pairs" at the top.

Figure out the missing numbers in the table. To do this, make factor pairs for my favorite number, **72!**

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



from into the Date Machine. Turn the lights on the screen when this happens.



1. $\frac{\square}{5} = \frac{12}{20}$

2.

4. $\frac{1}{2} = \frac{\square}{30}$

5.

$\frac{\square}{7} = \frac{\square}{\square}$

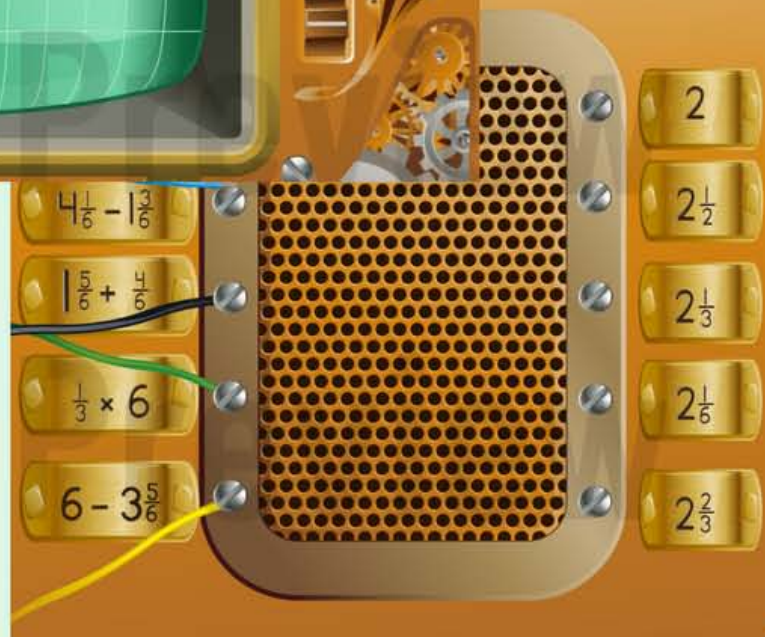
6. $\frac{\square}{5} = \frac{\square}{25}$

7. $\frac{3}{4} = \frac{9}{\square}$

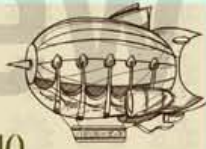
8. $\frac{\square}{4} = \frac{4}{16}$

9. $\frac{7}{8} = \frac{\square}{16}$

10. $\frac{\square}{9} = \frac{32}{72}$



Puzzle Preview



Switch 1:

$$5600 \div 10 \quad \square \quad 56 \times 10$$

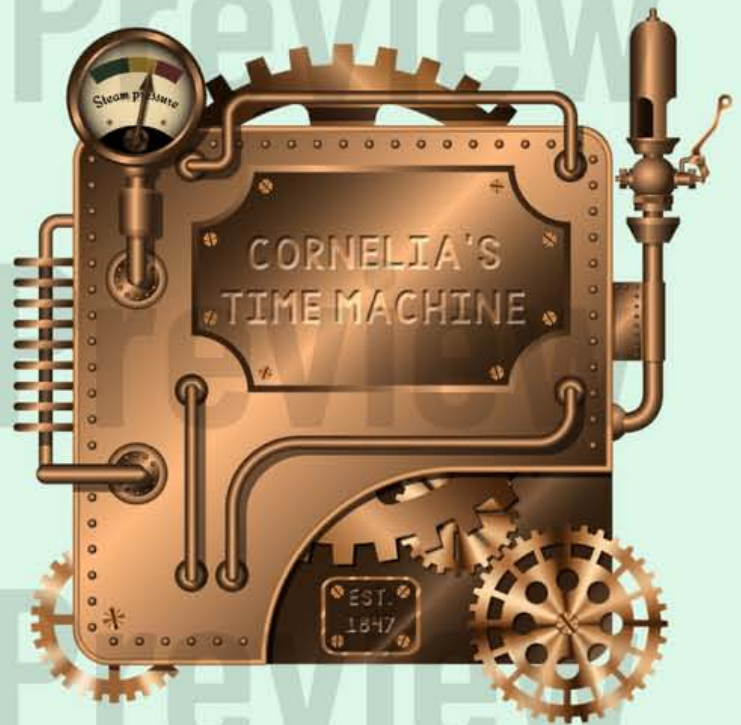
Switch 2:

$$3 \text{ tenths} \quad \square \quad .03$$

Switch 3:

$$\begin{array}{l} \text{twenty-three thousand,} \\ \text{eight hundred five} \end{array} \quad \square \quad 41,028 - 17,178 =$$

Switch 4:



STEP 3

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

Find the spool of wire.



The spool of wire has 30 yards of wire. This is 5 times more wire than you need.

How many inches of wire do you need to connect to the generator?

$$1 \text{ yard} = 3 \text{ feet}$$

$$1 \text{ yard} = 36 \text{ inches}$$

$$1 \text{ foot} = 12 \text{ inches}$$

STEP 6

If you've gotten this far, then go outside and do what the Morse Code message instructed.

The zone must be rectangular and must be covered with the correct number of square feet of reflective material.

The perimeter of the rectangle is 78 feet. The width is 15 feet. How many square feet of reflective material will be needed to cover the rectangle? (What is the area?)



15 feet

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!



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