



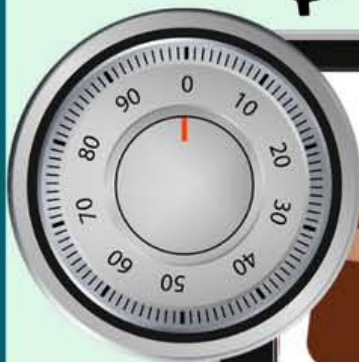
Escape the Snow Globe



4th
Grade
Math

Quick Escape
Save the Snowman!

Digital Escape Room



"This snow globe is protected by three locks," the snowman calls. "I have told clues for opening each lock, but I can't open them from in here. A combination lock is the best place to start!" (Hit next to continue)

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Next



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

4th Grade Math Skills
Multiplying 2-digit numbers, long division
by a single digit divisor, rounding,
multiplicative comparison, & more!

Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~20-45 minutes (Quick Escape)

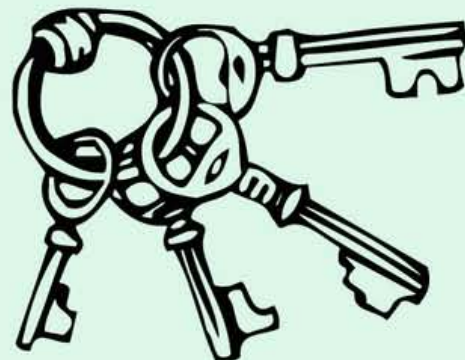
 Complete individually or in small groups

 Requires internet connected device

 Self-Checking

 Virtual or in-person

 Three 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

First button to push: The number under the button is a composite number with exactly 9 factors.

Second button: Push the button with a number that is 5 times as many as 7.

Third button and fourth buttons to push: Both of these numbers are prime. The third button to push rounds to 30 when rounded to the nearest ten. The fourth button to push rounds to 40 when rounded to the nearest 10.

The fifth button: A composite number with four factors that rounds to 30 when rounded to the nearest ten.

What order do you push the buttons in? Enter the letters that go with each button without any spaces between them. Example: AEDBC.



Your answer

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Next

Clear form

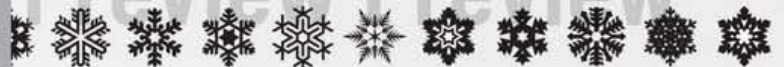
Quick Escape!

$$27 \times 34 = \frac{918}{R} \quad 45 \times 21 = \frac{\quad}{K}$$

$$35 \times 9 = \frac{\quad}{D} \quad 34 \times 12 = \frac{\quad}{O} \quad 26 \times 28 = \frac{\quad}{N}$$

$$\quad \times 36 = \frac{\quad}{T} \quad 19 \times 45 = \frac{\quad}{E} \quad 23 \times 30 = \frac{\quad}{Y}$$

$$\quad \div 9 = \frac{\quad}{U} \quad 4,509 \div 9 = \frac{\quad}{H} \quad 1,248 \div 4 = \frac{\quad}{L}$$



$$\frac{408}{R} \quad \frac{945}{\quad} \quad \frac{512}{\quad} \quad \frac{728}{\quad} \quad \frac{315}{\quad} \quad \frac{855}{\quad} \quad \frac{918}{\quad}$$

$$\frac{690}{\quad} \quad \frac{408}{\quad} \quad \frac{512}{\quad} \quad \frac{918}{R} \quad \frac{501}{\quad} \quad \frac{308}{\quad} \quad \frac{828}{\quad}$$



Puzzle Preview



"To find the second number of the combination, you have to answer this question: Every snowflake has exactly 6 points. I counted 426 snowflake points on my arms. How many snowflakes are on my arms?" *

"Thanks for helping me! The clues to find the combination do with snowflakes. Here's a clue to the first number of my carrot nose. 3 times that many snowflakes landed on my hat?" Enter only the number.



Your answer _____



Your answer _____

"The third number of the combination is a bit tricky to find. 28 snowflakes fell on my carrot nose during the night. 4 times that many fell on my nose in the morning. 79 of the snowflakes melted during the afternoon. How many snowflakes are still on my nose?" *



Your answer _____

Optional Printable Pages


Escape the Snow Globe



Name: _____

Use the space below to write equations, draw models or arrays, and solve problems.

What is the combination to the lock?

	First Number	Second Number	Third Number
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Student
Recording
Page



Where is the key? Use this area to work out the problems. Use the back of the page for more space.

259 265 265 244 251 197 279 191 292

201 265 251 282 271 277 271

What order do you press the buttons?
Drawing a number



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Success
Signs



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4.NBT.B.6

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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!

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