Teacher Instructions

Congratulations on purchasing this 5.OA.1 Escape Room! The entire escape consists of five activities and will take a typical group of fifth graders about an hour to complete. Here is what you need to do to set up the activity:

1. **Optional:** Print this document and make a copy of the student pages for each group. If you don’t print the student pages, make sure students have scratch paper available.
2. Break students into groups of 2-5.
3. Turn on a computer or tablet for each group. You can navigate to the Escape Room URL before beginning, or you can make students copy it from the chalkboard and type it into the web browser themselves.
4. Leave this document open, or refer to your printed copy to find answers if students get stuck.

To begin the escape room, navigate your web browser to


If your school blocks the shortened link above, use this full URL:
https://docs.google.com/forms/d/e/1FAIpQLSdwbRaQbwGXTkjd6uXREkGHmyMBvbrWv3z_W4P01gaQ97zA/viewform

The first page of the escape room displays an introductory video hosted on YouTube. Some schools block YouTube, making this section appear as “File not found” or some similar error. While viewing the video is not necessary to your students’ success, you can find the same video on the TpT product description page. It is the video preview. If you do this, I’d suggest showing it to the whole class at once.
Door #1: Standard Statement

5.OA.1

Use parentheses, , or braces in expressions, and evaluate with these

Word Bank

symbols brackets numerical expressions

Form the unlock code by entering the words in this order without spaces:

For example:
symbolsbracketsnumericalexpressions
Door #1: Standard Statement

5.OA.1

Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

Word Bank

symbols brackets numerical expressions

Form the unlock code by entering the words in this order without spaces:

For example:
symbols brackets numerical expressions

The unlock code is, therefore:

brackets numerical expression symbols
Door #2

Insert parentheses into the correct blanks below to make each statement true. Only add parentheses where it is absolutely necessary.

\[ 3 + 5 \times 10 = 80 \]

\[ 22 \times 2 \div 11 + 33 = 1 \]

\[ 21 \div 7 - 4 = 7 \]

\[ 45 \times 5 - 3 = 90 \]

Form the unlock code by using the letters of the blanks in the order they are used, left to right. For example: cetrkets
Door #2

Insert parentheses into the correct blanks below to make each statement true. Only add parentheses where it is absolutely necessary.

\[(3 + 5) \times 10 = 80\]

\[22 \times 2 \div (11 + 33) = 1\]

\[21 \div (7 - 4) = 7\]

\[45 \times (5 - 3) = 90\]

Unlock Code: brackets
Door #3

Matching

Match each statement on the left with its answer on the right. Form the unlock code by entering the answers' letters on the right side in the order they are used to complete the statements on the left, from the top down. For example: CABEGFD

52 - (8 + 2) \times 3 = _

3 \times 12 - 63 \div 9 = _

\{[(10 + 11) \div 7] - 1\}^2 = _

18 \times 2 + 24 = _

33 - [(12 + 4) - 8] = _

10 - \{3 \times [4 - (9 - 5)]\}^2 = _

\{5 + [(36 - 6) \div 5]\} \times 3 = _

A) 4
B) 10
C) 25
D) 22
E) 60
F) 33
G) 29
Door #3

Matching

Match each statement on the left with its answer on the right. Form the unlock code by entering the answers’ letters on the right side in the order they are used to complete the statements on the left, from the top down. For example: CABEGFD

A) 4
B) 10
C) 25
D) 22
E) 60
F) 33
G) 29

The unlock code, therefore, is: DGAECBF
Start with an unlock code of 100. For each of the following statements that is true, add 10 TIMES its statement number to the unlock code. For each false statement, subtract its statement number from the unlock code. Enter your final number to unlock the door.

1. \[(15 - (3 \times 4))^2 = 9\]
2. \[10 \times (5 + 10) = 1500\]
3. \[21 \div \{19 - [2 + (8 - 3) \times 2]\} = 7\]
4. \[(6 + 24 \div (2 + 4))^2 = 100\]
5. \[4 \times (3 + 9) \div 2 = 24\]
6. \[9 - 42 \div (6 \times 7) = (1 + [41 - (8 + 32)])^2\]
7. \[20 \times 2 \times (5 - 4) = 5 \times (2 \times 3)\]
Answer Key: 5.OA.1 Escape Room

Door #4

Start with an unlock code of 100. For each of the following statements that is true, add 10 TIMES its statement number to the unlock code. For each false statement, subtract its statement number from the unlock code. Enter your final number to unlock the door.

True 1. \([15 - (3 \times 4)]^2 = 9\)
False 2. \(10 \times (5 + 10) = 1500\) 150
False 3. \(21 \div \{19 - [2 + (8 - 3) \times 2]\} = 7\) 3
True 4. \([6 + 24 \div (2 + 4)]^2 = 100\)
True 5. \(4 \times (3 + 9) \div 2 = 24\)
False 6. \(9 - 42 \div (6 \times 7) = 8\)
\(\{1 + [41 - (8 + 32)]\}^2 = 4\)
False 7. \(20 \times 2 \times (5 - 4) = 40\)
\(5 \times (2 \times 3) = 30\)

The unlock code, therefore, is: 182.
Determine which of the above numbers would make each statement true when substituted for “A”.

\[
\begin{align*}
A + 2 \times (8 - 6) &= 9 \\
5 \times (3 + 7) + A &= 25 \\
A \times [3 + 5 \times (18 - 14)] &= 46 \\
(44 - A) + 2 + 3 &= 20 \\
(52 - 16) + 6 + 4 &= A \\
36 - [(11 + A) - 12] &= 32
\end{align*}
\]

Form the unlock code by taking the equation with the smallest value in the left box, the equation with the smallest value in the middle box, and the equation with the largest value in the right box. Put a dash between each of those three numbers, and enter them in this order: “left box”-“middle box”-“right box”.

For example: 9-25-20
Door #5

Determine which of the above numbers would make each statement true when substituted for “A”.

Form the unlock code by taking the equation with the smallest value in the left box, the equation with the smallest value in the middle box, and the equation with the largest value in the right box. Put a dash between each of those three numbers, and enter them in this order: “left box”-“middle box”-“right box”.

For example: 32-25-46

The Unlock Code is: 25-9-20