 ESCAPE ROOM

## MATH



## ESCAPE THE SCHOOL CASE OF THE ROBOTS




$\square$
You have successfully defeated the robot that was blocking your classroom door! Before you leave, however, the voice comes over the loudspeaker again: "Well done, you have gotten past the first robot, but you can't leave the school just yet. Robot drones are flying around guarding the perimeter of the school, but they can be shut down. I have left hidden letters around the school. Solve the following problems to find out where in the school to go. In each location you will find a letter. Put them all together to gain the password to shut down the drones.
Work out the answer to each question and match with the correct answer. Go to this location on the map and record the letter found there. Put all the letters together to form the code word.



HACK THE COMPUTER: ROBOT CONTROL CODE!
You bust into the staff-room and see the mainframe computer sitting on a table. At last, you think to yourself - I just need to enter the code word so I can stop the robots, and then I can go home! When you get to the computer, however, you notice the screen is locked. Attached to the computer is a note which reads, "To unlock the computer you must put the symbols in the correct order." Under the messages are a bunch of symbols and more equations! The symbols on the note match ones that can be seen jumbled up on the computer and you need to drag them into the right order before the computer screen will unlock.

Solve the equations and then match/draw the pictures to the answers on the computer screen

## How to multiply fractions.

There was half of a cake left. James ate half of what was there. How much cake did James eat?

$$
\frac{1}{2} \times \frac{1}{2}=\frac{1 \times 1}{2 \times 2}=\begin{gathered}
\text { Multiply the top numbers together (numerators). } \\
\text { Multiply the bottom numbers together (denominators). }
\end{gathered} \quad \frac{1 \times 1}{2 \times 2}=\frac{1}{4} \quad \begin{gathered}
\text { James ate a quarter } \\
\text { of the cake }
\end{gathered}
$$



After unlocking the computer enter the codeword gained from finding the letters around the school.
CODE WORD = $\qquad$
Once the codeword has been inputted the robot drones will shutdown meaning you can escape the school for the holidays!


## EXTENSION: ROBOT CONTROL CODE!

You enter the robot drone shutdown code word on the computer and all the robot drones shut down around the school. Yay! - you are able to have a holiday break this year!

You are just about to leave the staff-room when the technology and math teachers enter. "Well done, you managed to solve the clues, defeat my robots, and escape the school. We have one final challenge for you. If you can solve this puzzle then we will grant you one dream holiday - anywhere in the world!"

DIRECTIONS: Fill in each circle with a number from the number bank. Each number can only be used once. Each set of three circles which connect to the middle circle must have numbers which add up to the middle number (57).


Where would you go and what would you do on your dream holiday?


Design your very own robot. Draw and write about what he looks like and what its functions are.



