Find the product of 6 and 4. Your teammates will have the same 2 digits that you find for an answer.	Find the product of 3 and 8. Your teammates will have the same 2 digits that you find for an answer.
Find the sum of 6 and 18. Your teammates will have the same 2 digits that you find for an answer.	Find the product of 12 and 2. Your teammates will have the same 2 digits that you find for an answer.

Find the product of 6 and 8. Your teammates will have the same 2 digits that you find for an answer.	Solve 3 x 10 + 3 x 6. Your teammates will have the same 2 digits that you find for an answer.
Find the sum of 24 and 24. Your teammates will have the same 2 digits that you find for an answer.	Find the sum of 29 and 19. Your teammates will have the same 2 digits that you find for an answer.

Solve 9 x 5 + 9 x 5. Your teammates will have the same 2 digits that you find for an answer.	Find the product of 10 and 9. Your teammates will have the same 2 digits that you find for an answer.
Solve 10 x 6 + 10 x 3. Your teammates will have the same 2 digits that you find for an answer.	Solve 9 x 6 + 9 x 4. Your teammates will have the same 2 digits that you find for an answer.

Find the product of 6 and 6. Your teammates will have the same 2 digits that you find for an answer.	Find the product of 9 and 4. Your teammates will have the same 2 digits that you find for an answer.
Solve 4 x 5 + 5 x 5. Your teammates will have the same 2 digits that you find for an answer.	Solve 6 x 5 + 6 x 1. Your teammates will have the same 2 digits that you find for an answer.

Find the product of 8 and 8. Your teammates will have the same 2 digits that you find for an answer.	Find the sum of 49 and 15. Your teammates will have the same 2 digits that you find for an answer.
Solve 8 x 5 + 8 x 3. Your teammates will have the same 2 digits that you find for an answer.	Find the sum of 38 and 26. Your teammates will have the same 2 digits that you find for an answer.

You must work together to Escape! There are 3 locks that must be opened. Each lock has its own unique combination.

Find the combination to each lock to break free. Good luck!

First Lock

Did you crack the code? What is the combination for the first lock? Once you know, show your teacher.

_____ _____ _____ _____

Second Lock

Did you crack the code? What is the combination for the second lock? Once you know, show your teacher.

_____ _____ _____ _____

Third Lock

Did you crack the code? What is the combination for the third lock? Once you know, show your teacher.

_____ _____ _____ _____

Can you crack the code on the first lock? You will need to think about all you have learned this year to find success. Good luck.

Ms. Carter has 30 students in her classroom. She arranges them into 5 equal groups. Which expression represents how to find the number of students in each group?

1 $30 + 5$

2 $30 \div 5$

3 $30 - 5$

4 30×5

Your **fourth digit** in the combination is the number of the correct answer above.

_____

Which equation is true when the missing number is the number 7?

1 $7 \times \_?\_ = 42$

2 $7 \times \_?\_ = 49$

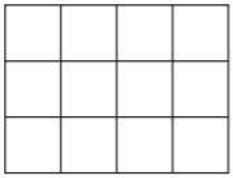
3 $8 \times \_?\_ = 40$

4 $8 \times \_?\_ = 48$

Your **second digit** in the combination is the number of the correct answer above.

_____

The array below represents a product.



Which expression can be used to find the product represented by the array?

1 $4 + 3$

2 $4 + 4 + 4 + 4$

3 3×4

4 $3 \times 3 \times 3 \times 3$

Your **first digit** in the combination is the number of the correct answer above.

_____

Lucy is counting by 2s. She starts with the number 2 and stops at the number 50.
Which number would Lucy **not** count?

1 11

2 22

3 34

4 48

Your **third digit** in the combination is the number of the correct answer above.

_____

Congratulations! You managed to get ONE lock opened. You will need to really focus if you wish to get the last two opened. Are you up for the challenge?

Which statement is true?

A. The product of 5 x 2 is even because both of the factors are even.
B. The product of 4 x 4 is odd because both of the factors are even.
C. The product of 2 x 7 is even because both of the factors are odd.
D. The product of 5 x 3 is odd because both of the factors are odd.

Your **second digit** in the combination is equal to the ones digit of the product of the two numbers indicated in the correct answer above.

_____

A store manager orders shirts from their warehouse. The shirts are packed into boxes and sent to the store, as described below.

- 72 shirts are ordered
- each shipping box holds 9 shirts

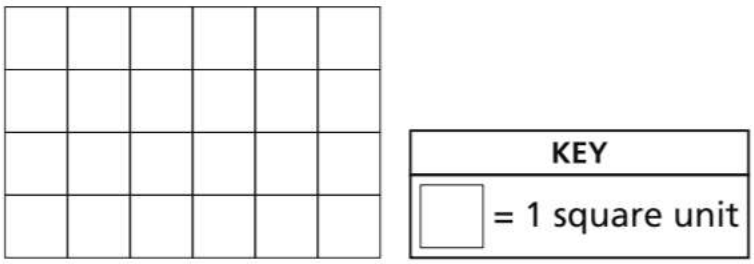
How many shipping boxes are needed for all of the shirts ordered?

A 8 B 9 C 63 D 81

Your **first digit** in the combination is equal to the ones digit indicated in the correct answer above.

_____

Leeza used unit squares to find the area of the rectangle shown below.



What is the area, in square units, of the rectangle?

A 16

B 20

C 24

D 28

Your **fourth digit** in the combination is equal to ones digit indicated in the correct answer above.

_____

In which situation can the expression 64 ÷ 8 be used?

1. There are 8 buses with 64 students on each bus.
2. Ms. Vance has 8 pens and 64 pencils in a container.
3. There are 64 books in a bookcase and 8books are removed.
4. Mr. Juarez has 64 cups and puts an equal number on each of 8 tables.

Your **third digit** in the combination is equal to the number of the correct answer above.

_____

Congratulations! You have opened two-thirds of the locks.

But do you have what it will take to open the last one?

Settle in, this one may be tricky!

Wyatt wants to solve the equation below to find the missing factor.

8 x ? = 24

How can Wyatt find the missing factor by changing the equation to a division problem? Be sure to include the value of the missing factor in your answer. Explain your answer.

_____

_____

_____

Your **third digit** in the combination is equal to the missing factor in the above problem.

_____

Ashlynn rides her bike 2 miles to school and 2 miles home each day. How many total miles will Ashlynn ride her bike to school and home in 40 days?

Show your work.

Your **second digit** in the combination is equal to the number in the tens place in the answer to the problem above problem.

_____

Ms. Ross is making breakfast for her family. She makes 15 small pancakes to share equally among 3 people. How many small pancakes will each person get?

Show your work.

Your **fourth digit** in the combination is equal to the number in the ones place in the answer to the problem above problem.

_____

Ms. Ross also wants to give each person a glass of orange juice. If each person gets 8 ounces, how many total ounces of orange juice does she need?

Show your work.

Your **first digit** in the combination is equal to the number in the tens place in the answer to the problem above problem.

_____