Day 4: Lock (Numcross)

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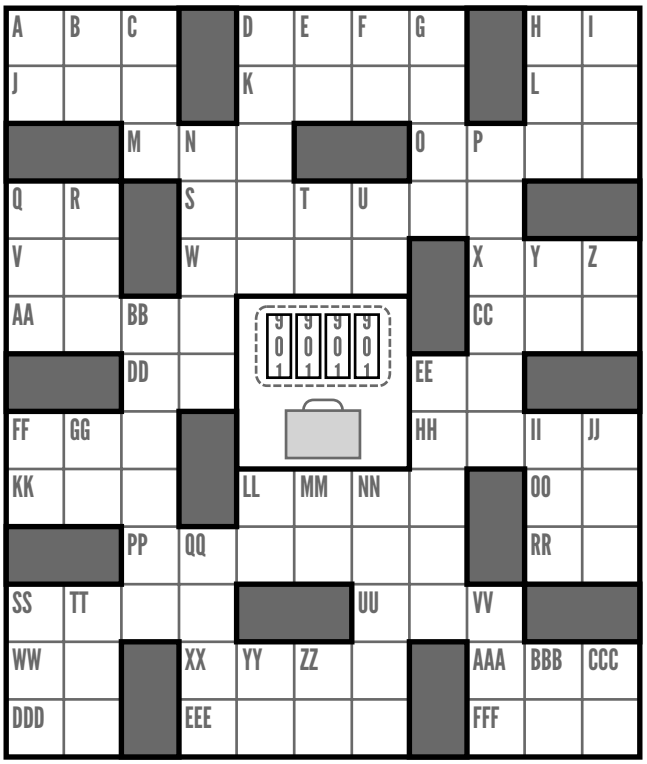
https://thegriddle.net · @ thegriddle

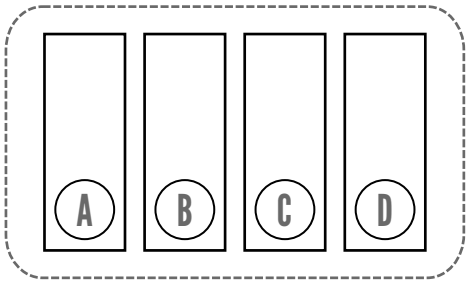
Instructions

Use the clues to fill digits into the grid. No entry may begin with 0, and no two entries may be the same number. If you come across the combination to the lock on my briefcase in the process, I'd appreciate if you'd let me know.

#Enigmarch

This puzzle was created with the #Enigmarch series of puzzle construction prompts. Search for the hashtag on social media for more from other puzzle authors.





Across

A. A palindrome

D. Digits that sum to A down

H. H down / YY down

J. EEE across - K across

K. The product when you multiply together the digits of the briefcase combination

L. Contains the unique digits from A across

M. Digits that sum to a palindrome

O. G down in reverse

Q. CC across / 9

S. Digits that sum to Q across

V. LL across / CCC down

W. CC across x 9

X. Another palindrome

AA. W across x 5

CC. II down - DDD across

DD. A multiple of Q across

EE. YY down + CCC down

FF. A descending run

HH. Year of the last flight of Space Shuttle Atlantis

KK. YY down squared

LL. Digits that sum to YY down

OO. RR across - 3

PP. AA across x T down

RR. MM down in reverse

SS. Half of QQ down

UU. J across + 1

WW. LL down times the digit in slot B of the lock combo

XX. Another palindrome

AAA. Q down minus a digit that is not in the lock combo

DDD. A perfect square

EEE. JJ down x CCC down

FFF. VV down - 1

Down

A. 2 x one of the digits in the lock combination

B. GG down - CCC down

C. U down x 2

D. EE across in binary

E. H across x 2

F. A multiple of ZZ down whose first digit is the digit in slot D of the lock combo

G. HH across x 2

H. A multiple of L across

I. SS down + YY down

N. A consecutive run of digits, not in order

P. HH across x KK across

Q. L across x LL down

R. X across x 2

T. Another perfect square

U. E down + LL down

Y. Q across times the digit in slot A of the lock combo

Z. Q across + 4

BB. Digits that sum to the same total as the lock combo

EE. B down x M across

FF. Another perfect square

GG. KK across - EE across

II. JJ down + RR across

JJ. VV down - 8

LL. Sum of two of the digits in the lock combo

MM. Another perfect square

NN. Contains one of every even digit including 0

QQ. NN down / CCC down

SS. Another perfect square

TT. BBB down x 9

VV. FFF across + 1

YY. Half of CCC down

ZZ. Another perfect square

BBB. ZZ down in reverse

CCC. Sum of the digits in NN down