

# PUZZLEBOMB

# SOLUTIONS

## NUMBER CARP

$118^2 + m^2 = 138^2 + k^2$   
where  $100 < m < 200$

Multiple  
of 21569

		4							
		2	3						
	4	3	1	3	8				
	3	4	7	1	2				
	8	2	1	9	9				
	2	8	3	2	1				
	9	1	9	4	7				
	1	3	9	0	5				
	7	1	9	8	6				
	5	7	7	3					
		6	4	1					

$11000a + 100b + 11c$   
 $a, b, c < 10$

4-digit palindrome  
followed by a square  
that divides it

Prime

Multiple  
of 30979

First 5 digits  
after decimal  
point in  $\pi$  with  
one digit moved

Multiple  
of  $2^2$

Multiple  
of 11

Divides  
 $46^3 - 1$

$155^2 + n^2$

Prime multiple  
of 251

NUMBER CARP:  
by @stecks &  
@apaultaylor

Each pair of three-digit numbers, running across and down to the same digit, are pairs of consecutive prime numbers ending in the same digit.

## APIS CLUES

All are the names of games when pluralized.

1. Rock Me Amadeus first gets in with regular rebel - MARBLE
2. Bighead beast in crate - BOX
3. Four clapped in iron, or one more - FIVE
4. The art's full of spirit - HEART
5. Pull doctor to get anything - DRAUGHT

APIS CLUES: devised by @apisclues.