

Chessboard Problem:

Square Size	Number of that kind of square
8x8=	1
7x7=	4
6x6=	9
5x5=	16
4x4=	25
3x3=	36
2x2=	49
1x1=	64
Total number of squares	204

Addition Crossword

2	+	8	+	7	=	17
+		+		+		+
7	+	5	+	3	+	15
+		+		+		+
4	+	2	+	4	=	10
=		=		=		=
13	+	15	+	14	=	42

1	+	4	+	7	=	12
+		+		+		+
3	+	6	+	9	+	18
+		+		+		+
8	+	9	+	10	=	27
=		=		=		=
12	+	19	+	26	=	57

Magic Squares

2	7	6
9	5	1
4	3	8

8	1	6
3	5	7
4	9	2

WODB Food (answers include, but NOT limited to):

- A) 4 central holes, not edible, 3D- but thin/flat, 4 lines of symmetry
- B) Single central hole, not symmetrical (icing not even), dessert?
- C) Triangular, multilayered, many components (bread, lettuce, cheese, tomato), 3 vertices, contains right angles
- D) Segmented shape, 1/2 of a sphere, 8 lines of symmetry, 24 vertices (3 per segment)

WODB Whole Numbers #2 (answers include, but NOT limited to):

- A) Single digit, 3^2 , smallest value of group, largest number in the ones place
- B) Divisible by 4, prime factors are all even ($2 \times 2 \times 2 \times 2$), 4^2 , can divide into half evenly, has 5 factors(1,2, 4, 8, 16)
- C) Divisible by 5, 5^2 , factor of 100, represented in Canadian coins,
- D) Not a "perfect square", not part of ordered set ($3^2, 4^2, 5^2$), prime, 10's place has a larger digit than ones place, largest value of the group