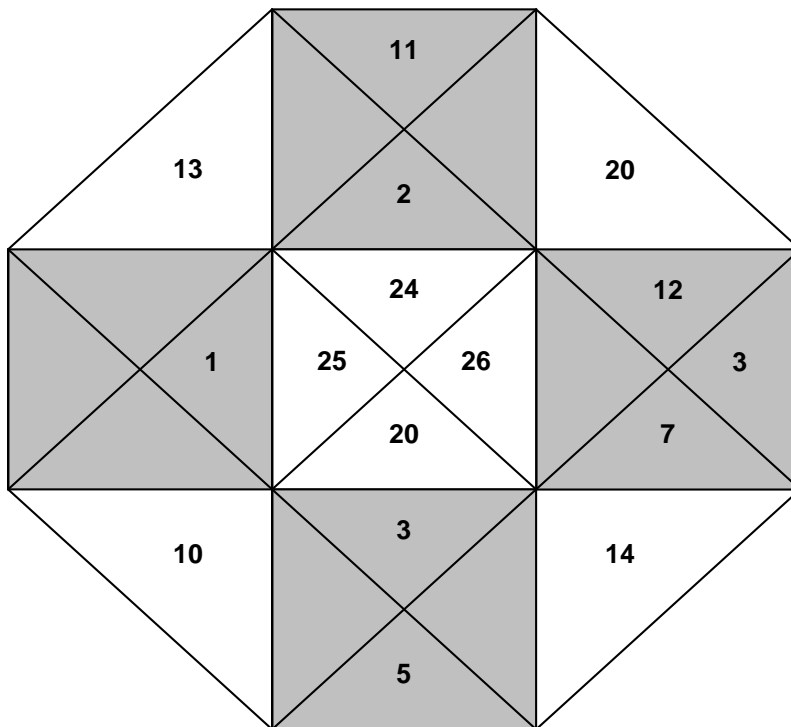


Challenge Your Mind Gemcode Puzzle™



Free Ebook

Brian Kondas

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About the Author

Brian Kondas currently lives and works in Tampa, Florida.

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Introduction

What is Gemcode?

Gemcode is a puzzle game of logic, math, and knowledge.

How to play the game?

Use logic to determine the order to fill in the missing numbers. Use the Gemcode rules to fill in missing numbers. Then use the alphanumeric scale to decode these numbers into a series of alphabetic letters. Finally use your knowledge and the alphabetic letters to form the Gemcode word which solves the question. Hints are available on Alpha and Bravo stages.

What are the Rules?

1. Sum of shaded square = adjacent Center Quarter
2. Half square = sum of two adjacent quarters
3. Each outer number = alphabet letter

How to Solve an Alpha Stage Gemcode?

1. Fill in the missing numbers using algebraic logic:

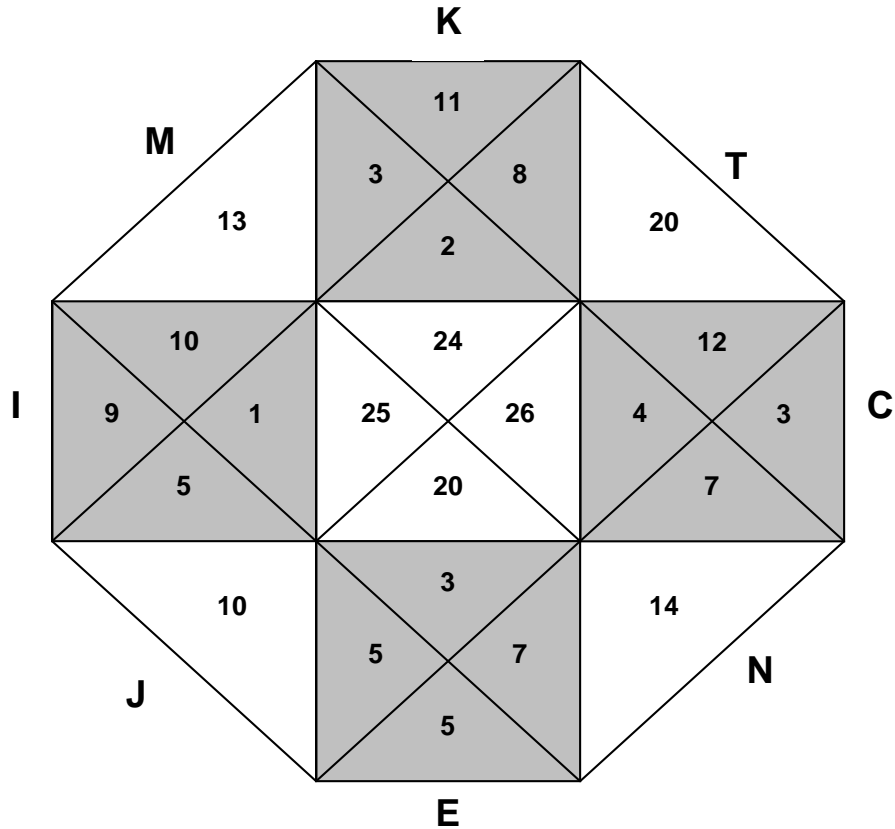
$$\begin{array}{ll} 4 \text{ Variable Equation: } 12 + 3 + 7 + X = 26 & X = 4 \\ 2 \text{ Variable Equation: } 5 + X = 15 & X = 10 \end{array}$$

2. Fill in the letters associated with the outer numbers:
11=K, 20=T, 3=C, 14=N, 5=E, 10=J, 9=I, 13=M
3. Use the question, the letters and the **NEW Online Photo Hints** to help you solve the Gemcode word.

On the next page you will see the solution to the Gemcode shown on the front cover of this puzzle book.

Something you can fly? KITE

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



Gemcode Rules:

1. Sum of shaded square = adjacent Center Quarter = 24, 26, 20, and 25
2. Half square = sum of two adjacent quarters = 20, 14, 10, and 13
3. Each outer number = alphabet letter = K, T, C, N, E, J, I, and M

Rules of the Game:

1. **Pick a Stage**: Alpha (beginner), Bravo (intermediate), or Delta (advanced).
2. **Pick a Level**: Easy, Medium, or Hard.
3. **Play a Game**: solve one Free Gemcode puzzle per Level.

There are 8 puzzles to play in this Free Gemcode Puzzle Ebook. Buy the complete Ebook to play all 32 puzzles and 8 Bonus questions at www.gemcodepuzzle.com

Puzzle Hints:

Are you having trouble solving the Gemcode? Get a clue by solving a puzzle hint. Then go back and rework the Gemcode solution. Puzzle hints are not available on Stage Delta or Bonus Stage Hydro. **NEW Online Photo Hints** to help you solve the Gemcode word <http://www.gemcodepuzzle.com/PhotoHints.html>

Example is RAIN:

1. Number of letters = $(D+H)/3 = \underline{\quad}$
Alphanumeric scale $(4+8)/3 = 4$
2. Exclude letters = 2, 3 [**other letters may be excluded**]
Alphanumeric scale = B, C letters are not in Gemcode
3. Vowels = 1 (2)
Alphanumeric scale = A appears twice in Gemcode
4. Falls from the 19,11,25 =
Series of numbers forms a word = sky

Gemcode

Stage Alpha: Easy Level

Point System

Each Correct Number = 8 points

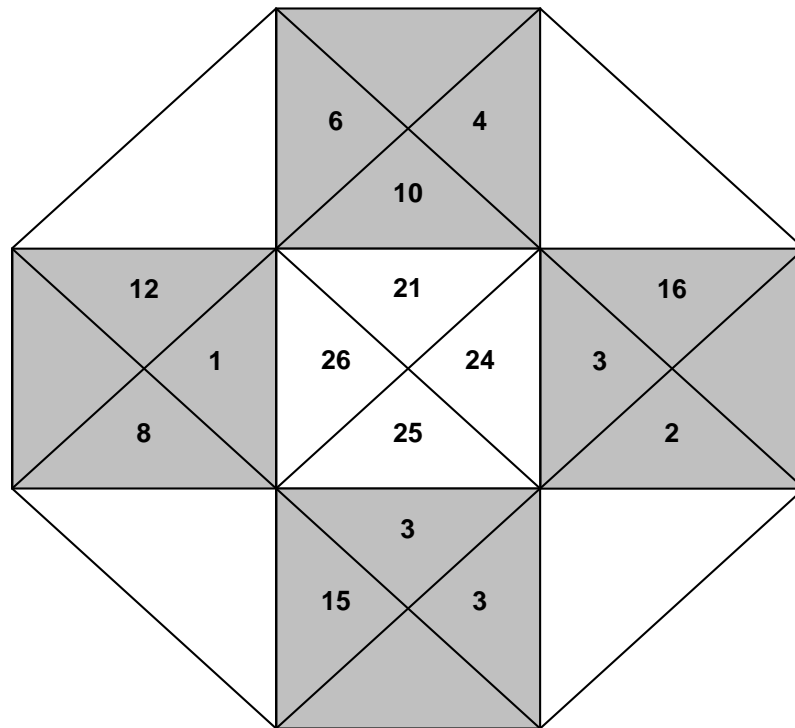
Each Correct Letter = 2 point

Each Correct Word = 20 points

Each Correct Gemcode = 100 points

1. A fluid? _____

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



Puzzle Hints:

Number of letters = $(J + O) / 5 = \underline{\hspace{2cm}}$

Exclude letters = 2, 3

Vowels = 1, 5

Drinking it is essential to human 12, 9, 6, 5 =

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Stage Alpha: Medium Level

Point System

Each Correct Number = 12 points

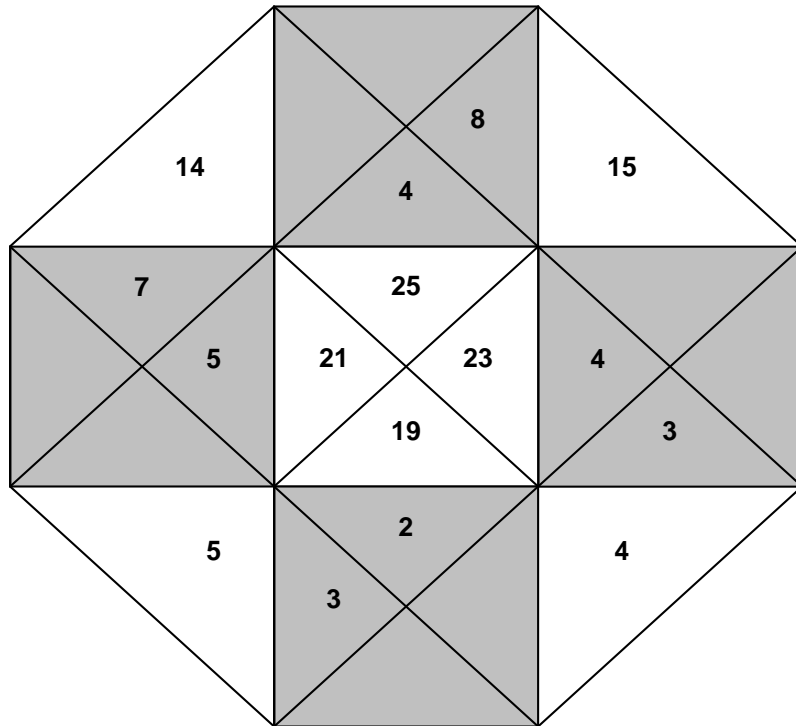
Each Correct Letter = 3 point

Each Correct Word = 64 points

Each Correct Gemcode = 200 points

6. Is a popular food? _____

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



Puzzle Hints:

Number of letters = $(E + J) / 5 = \underline{\hspace{2cm}}$

Exclude letters = 6, 14

Vowels = 15

When cooked is moist and 6, 12, 1, 11, 25 =

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Stage Alpha: Hard Level

Point System

Each Correct Number = 20 points

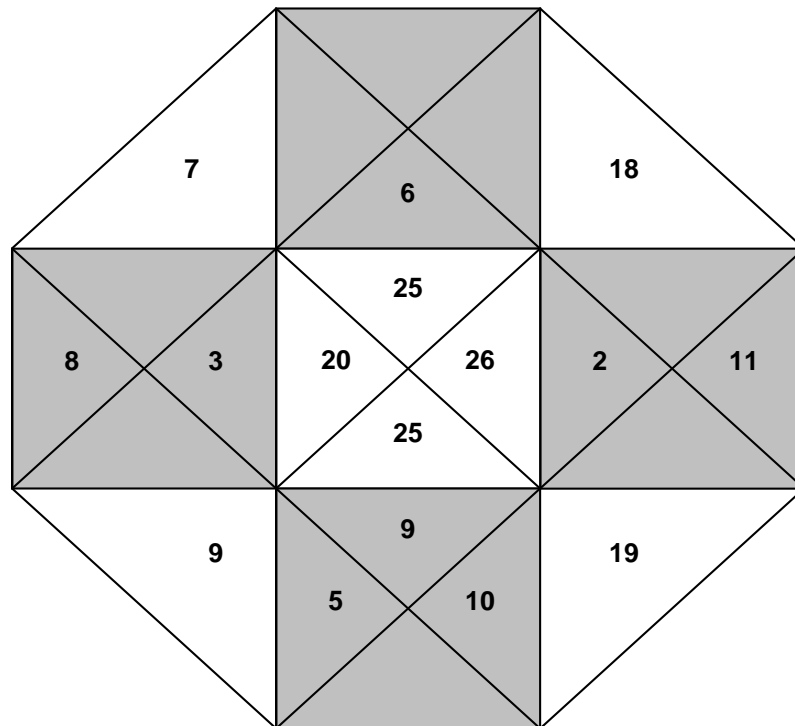
Each Correct Letter = 5 point

Each Correct Word = 100 points

Each Correct Gemcode = 300 points

11. A fish? _____

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



Puzzle Hints:

Number of letters = $(E + J) / 3 = \underline{\hspace{2cm}}$

Exclude letters = 7, 11

Vowel = 1

Made famous in the movie 10, 1, 23, 19 = _____

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Stage Bravo: Easy Level

Point System

Each Correct Number = 22 points

Each Correct Letter = 10 point

Each Correct Word = 100 points

Each Correct Gemcode = 400 points

Meet the “Bravo” Function Family

Function Family Bravo gathers around the Gemcode and each family member chooses their own independent number to help you solve the puzzle. This unique number is called the **Head**.

You will need to use logic to determine the **Function**; the even number when applied to the Head using one of the possible arithmetic operations will produce the resulting **Half Square**. The possible arithmetic operations are:

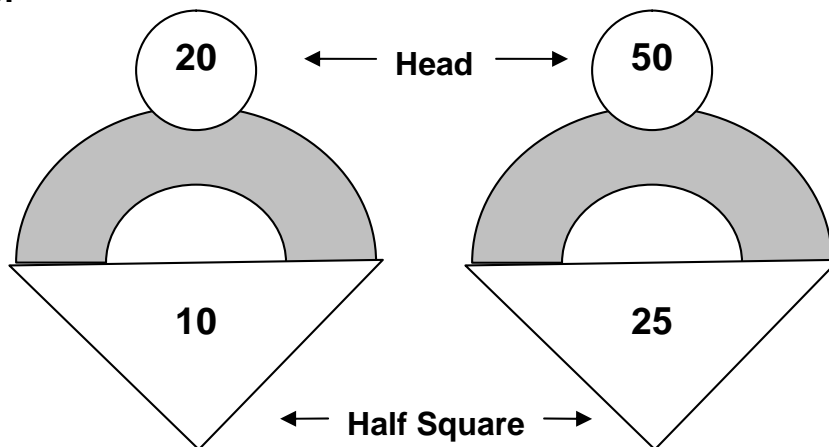
- Addition
- Subtraction
- Multiplication
- Division

The range of possible Half Squares are the even numbers from 2 – 52. You must apply an even number with this operation to create what’s called the Function. This same Function can be used to solve the other Half Squares.

New Rule:

Half Square = Function of the Head

Example:



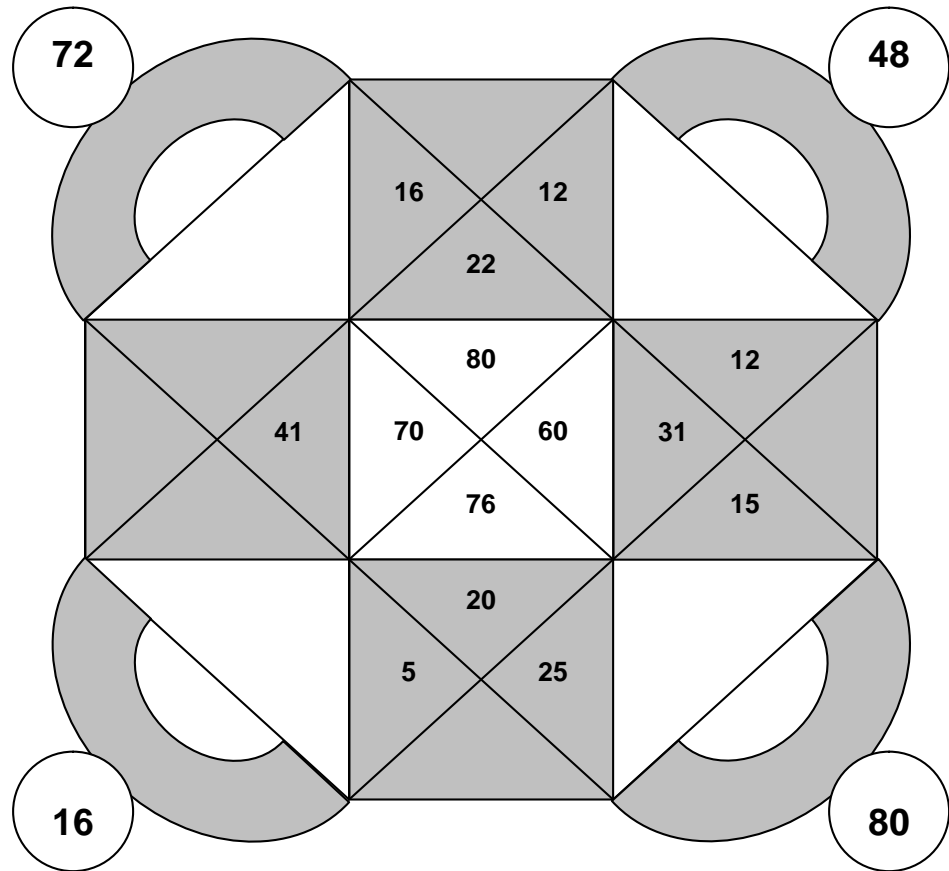
Head 20 / 2 = Half Square 10

Head 50 / 2 = Half Square 25

Half Square = Function: Head / 2

16. Dig for it? _____

2	A
4	B
6	C
8	D
10	E
12	F
14	G
16	H
18	I
20	J
22	K
24	L
26	M
28	N
30	O
32	P
34	Q
36	R
38	S
40	T
42	U
44	V
46	W
48	X
50	Y
52	Z



Puzzle Hints:

Number of letters = $(B + J) / 6 = \underline{\hspace{2cm}}$

Exclude letters = 30, 36

Vowel = 2

Is protected by two hard 38, 16, 10, 24, 24, 38 =

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Stage Bravo: Medium Level

Point System

Each Correct Number = 25 points

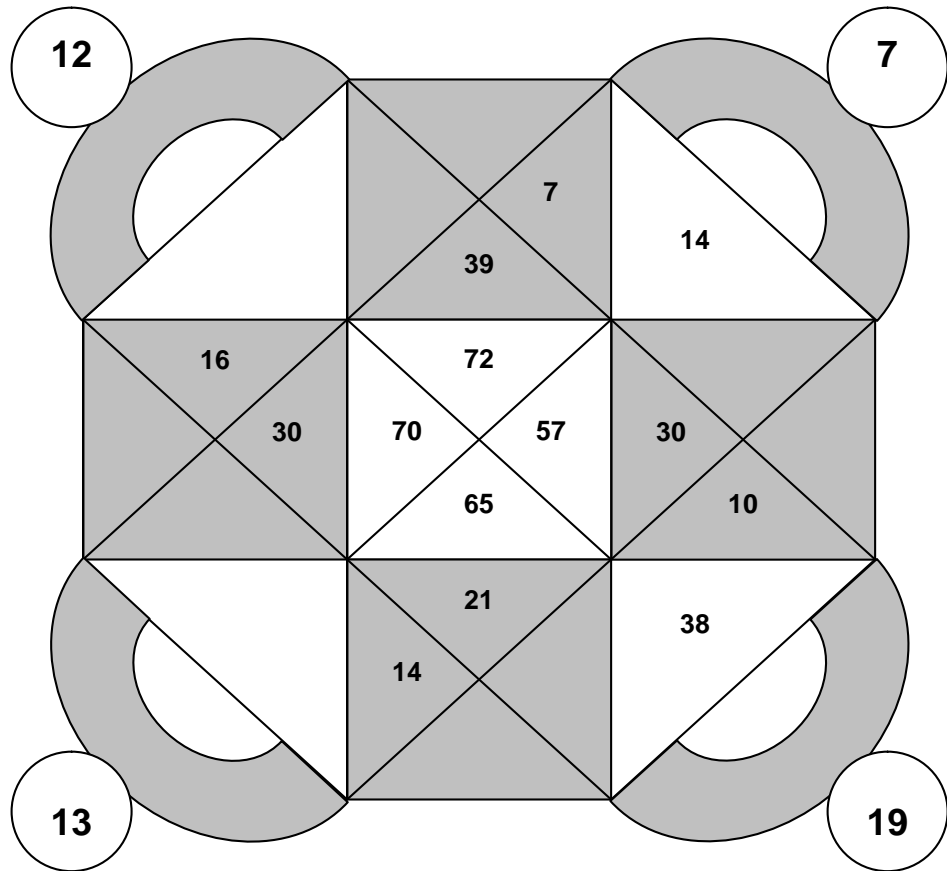
Each Correct Letter = 15 point

Each Correct Word = 140 points

Each Correct Gemcode = 500 points

21. Magenta colored flower? _____

2	A
4	B
6	C
8	D
10	E
12	F
14	G
16	H
18	I
20	J
22	K
24	L
26	M
28	N
30	O
32	P
34	Q
36	R
38	S
40	T
42	U
44	V
46	W
48	X
50	Y
52	Z



Puzzle Hints:

Number of letters = $(J + K) / 7 =$ _____

Exclude letters = 24, 26

Vowel = 2, 10, 18

Half of the solution is $38, 10, 2 =$ _____

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Stage Bravo: Hard Level

Point System

Each Correct Number = 30 points

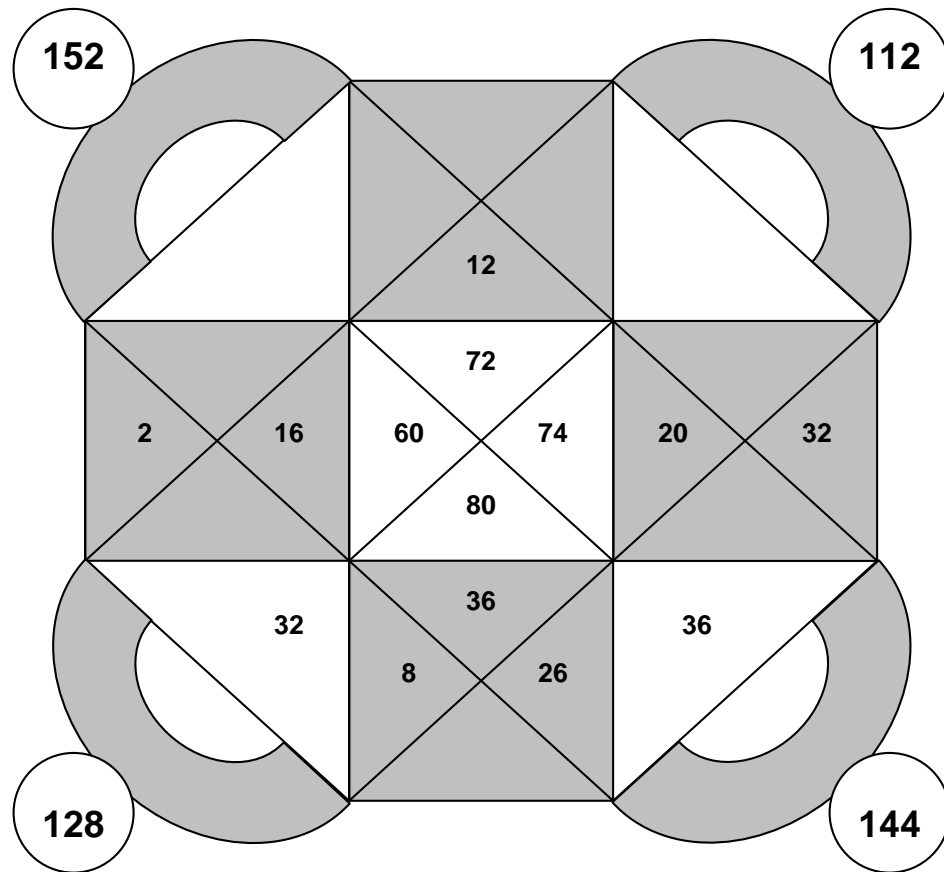
Each Correct Letter = 20 point

Each Correct Word = 140 points

Each Correct Gemcode = 600 points

26. First name is Red and last name is?

2	A
4	B
6	C
8	D
10	E
12	F
14	G
16	H
18	I
20	J
22	K
24	L
26	M
28	N
30	O
32	P
34	Q
36	R
38	S
40	T
42	U
44	V
46	W
48	X
50	Y
52	Z



Puzzle Hints:

Number of letters = $(E + I) / 4 =$ _____

Exclude letter = 24

Vowels = 2, 10

Found in the Gulf of 26, 10, 48, 18, 6, 30 = _____

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Stage Delta: Hard Level

Point System

Each Correct Number = 35 points

Each Correct Letter = 30 point

Each Correct Word = 140 points

Each Correct Gemcode = 800 points

Meet the “Delta” Function Family

Function Family Delta added up each outer square to produce a sum total called the **Center Quarter**.

You will need to use logic to determine the **Function**; the even number when applied to the Center Quarter using one of the possible arithmetic operations will produce the resulting **Star Point**. The possible arithmetic operations are:

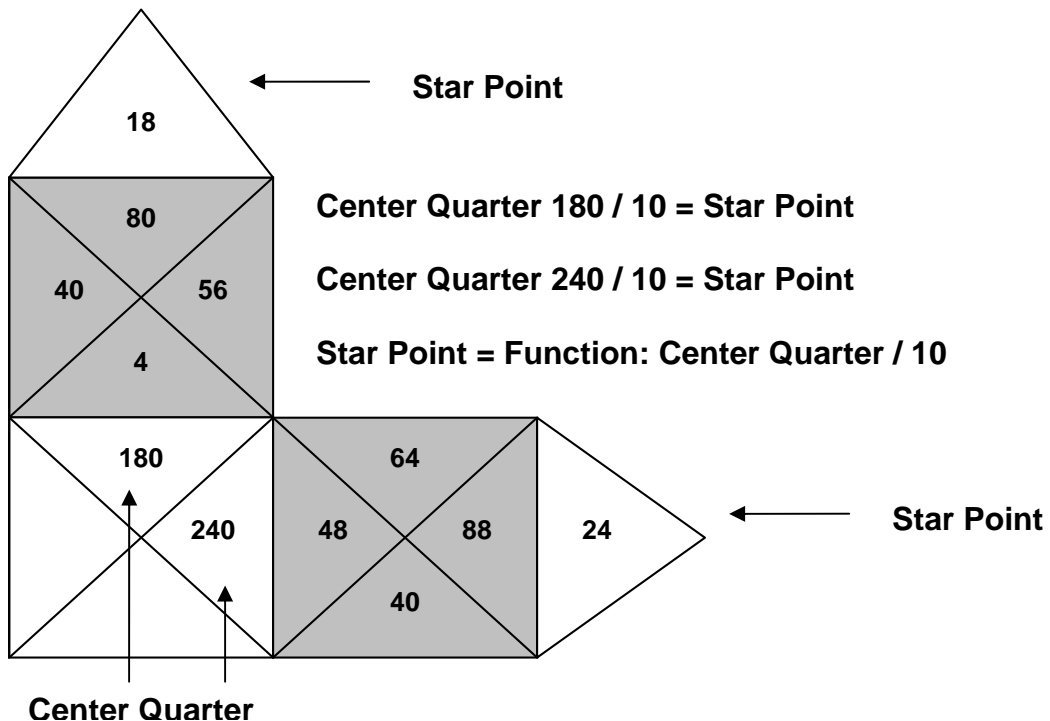
- Addition
- Subtraction
- Multiplication
- Division

The range of possible Star Points are the even numbers from 4 – 104. You must apply an even number with this operation to create what’s called the Function. This same Function can be used to solve the other Star Points.

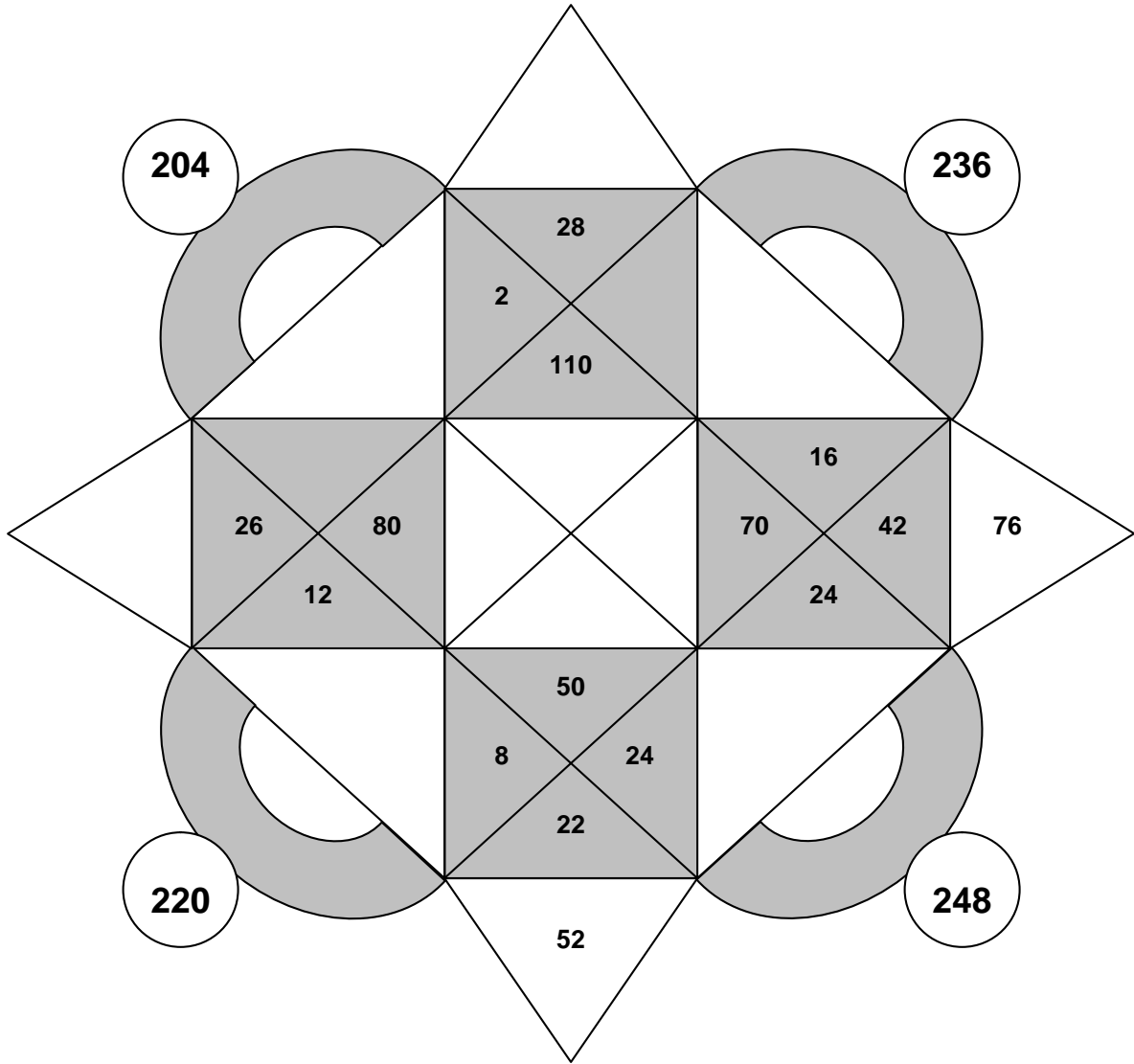
New Rule:

Star Point = Function of the Center Quarter

Example:



31. Sleek-bodied with a tail and flippers?



A	B	C	D	E	F	G	H	I	J	K	L	M
4	8	12	16	20	24	28	32	36	40	44	48	52

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
56	60	64	68	72	76	80	84	88	92	96	100	104

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Stage Hydro: 3-D Bonus Level

Point System

Each Correct Alphanumeric = 10 pts

Each Correct Number = 50 points

Each Correct Letter = 35 point

Each Correct Word = 310 points

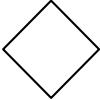
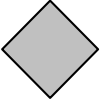
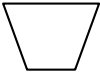



Each Correct Gemcode = 1,000 points

3-D Bonus Puzzle

How to play the game?

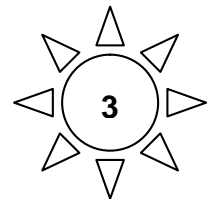
Use the Central Factor to fill the alphanumeric scale. Use the Tri-functional Rules to fill in missing numbers. Then associate each number inside a shaded shape with the corresponding alphabetic letter. Finally use your knowledge and the alphabetic letters to form the Gemcode word which solves question.

What are the Tri-Functional Rules?

- White Diamond  equals sum of the shaded diamonds 
- White Trapezoid  equals sum of the shaded trapezoids 
- White Triangle  equals sum of the shaded triangles 

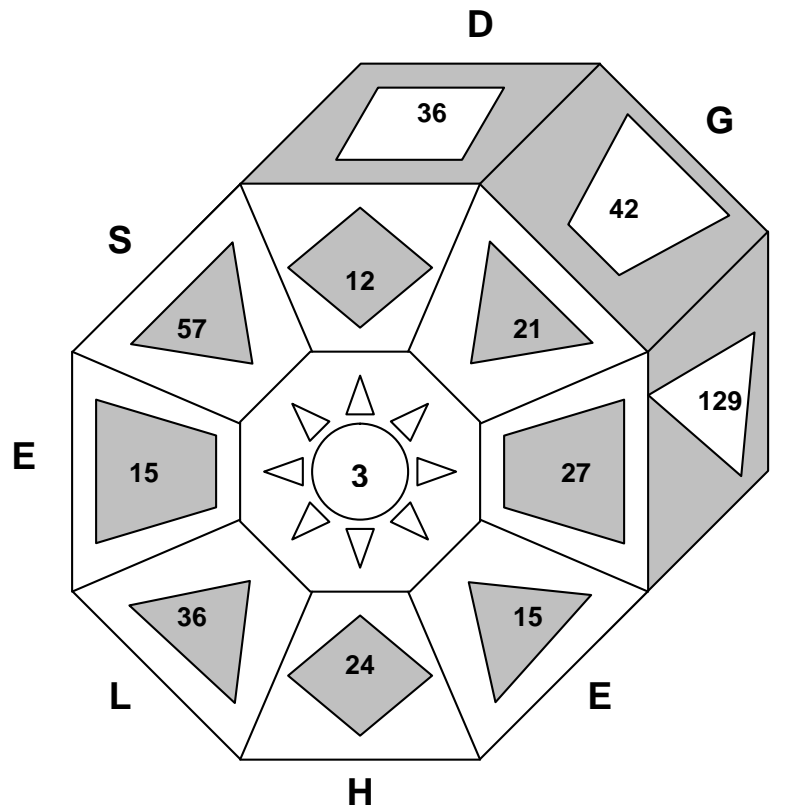
How to Solve a 3-D Hydro Stage Gemcode?

1. Multiple the Central Factor by the alpha scale 1-26:
Central Factor = 3
 $A = 1 \times 3 = 3$ $B = 2 \times 3 = 6$ $C = 3 \times 3 = 9$
2. Use the tri-functional rules to fill in the missing numbers
3. Associate each number inside a shaded shape with the corresponding alphabetic letter
4. Use the question and the letters to solve the Gemcode word



On the next page you will see an example of a solved 3-D Hydro Stage Gemcode.

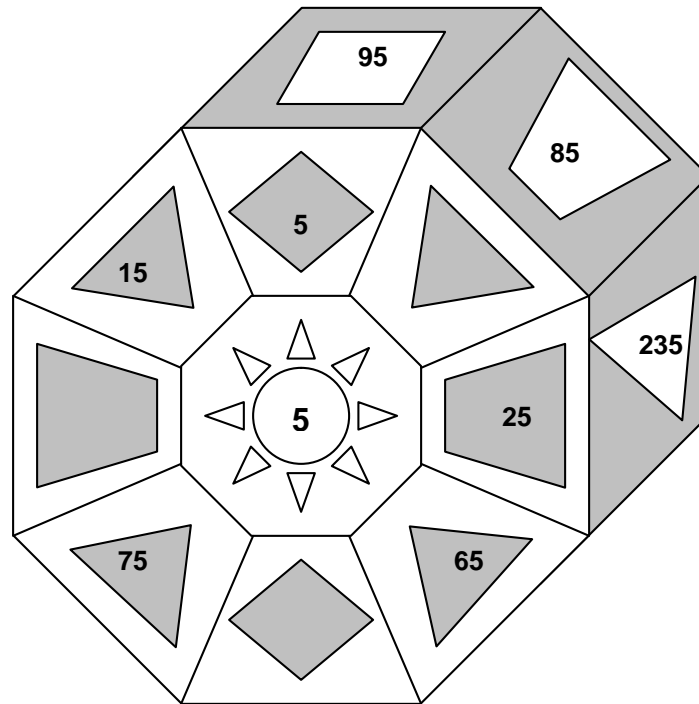
An electric fish? EEL



1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
3	6	9	12	15	18	21	24	27	30	33	36	39

14	15	16	17	18	19	20	21	22	23	24	25	26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
42	45	48	51	54	57	60	63	66	69	72	75	78

36. Important reef builders? _____



1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M

14	15	16	17	18	19	20	21	22	23	24	25	26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

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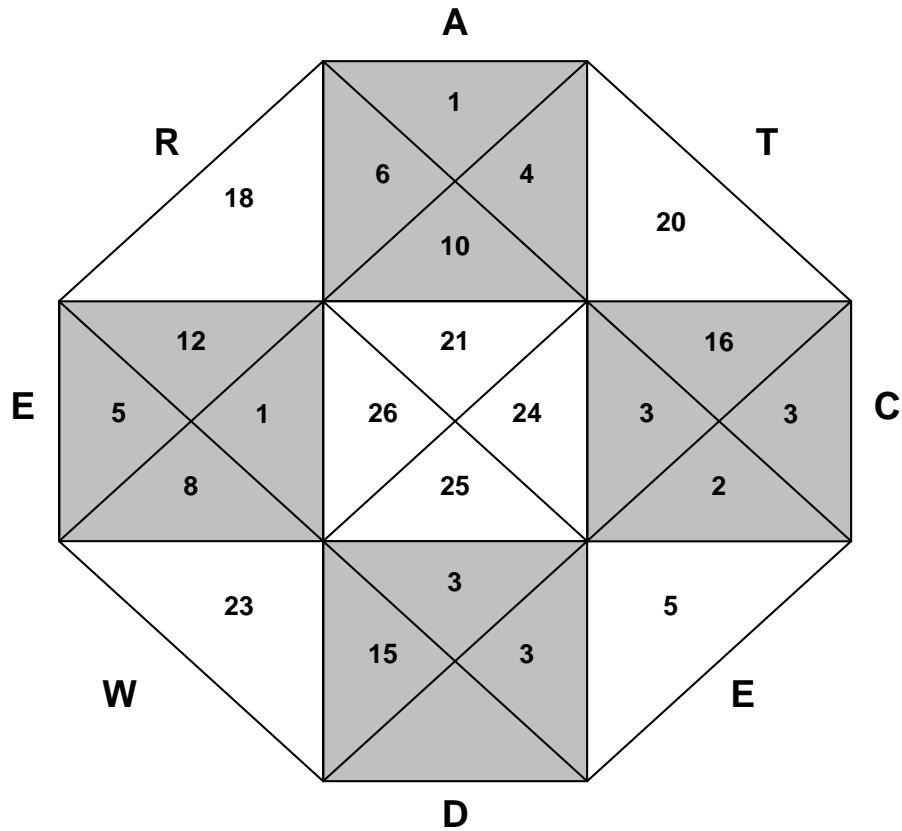
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Gemcode

Puzzle Solutions

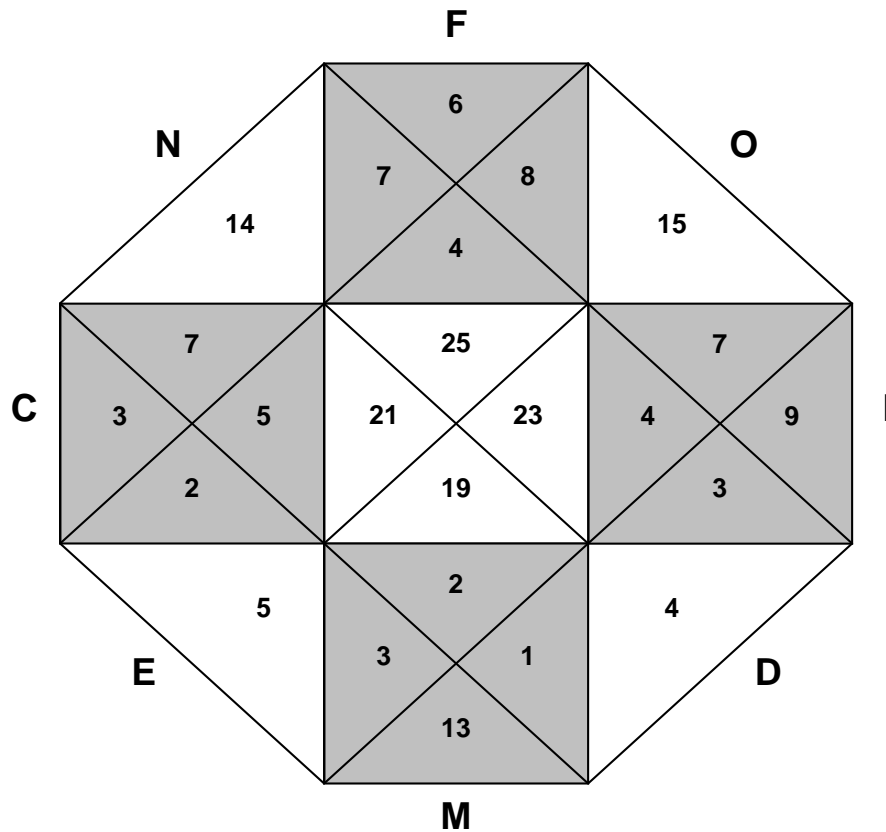
1. A fluid? WATER

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



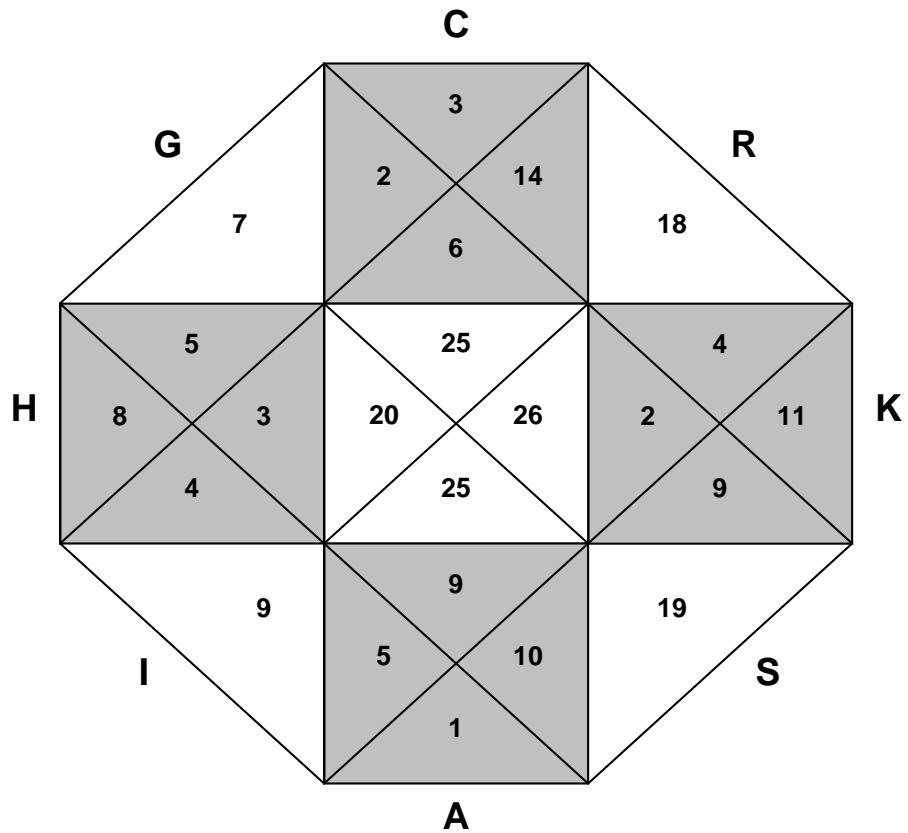
6. Is a popular food? COD

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



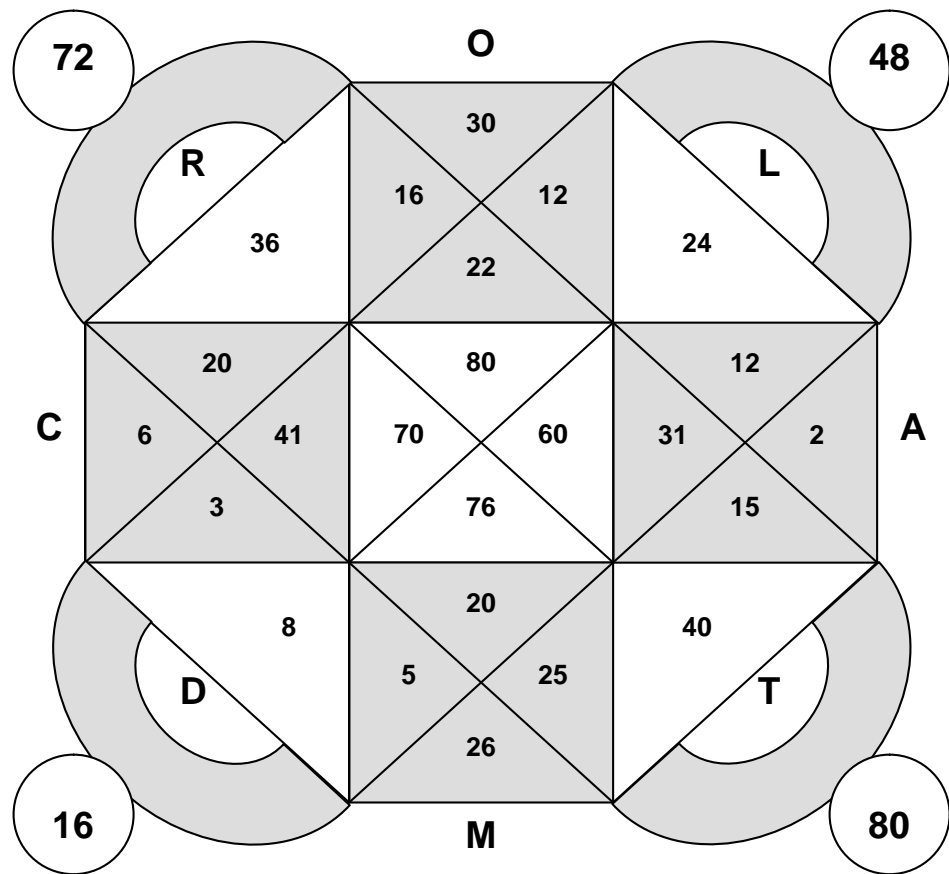
11. A fish? SHARK

1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R </td
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z



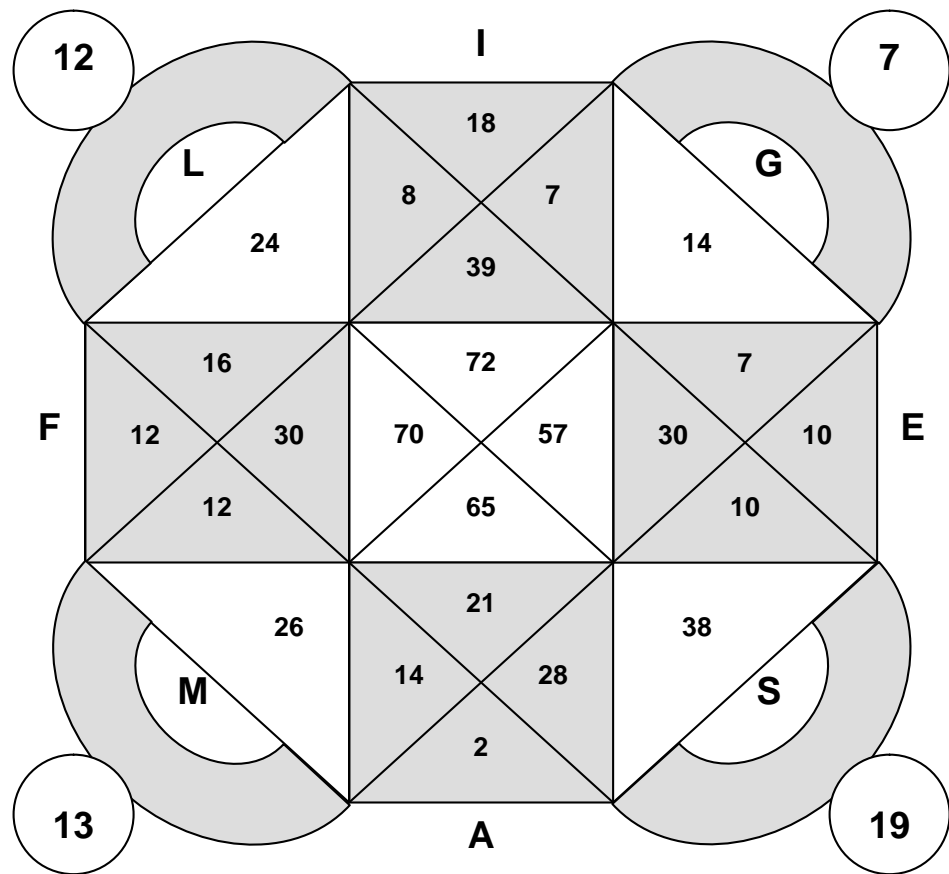
16. Dig for it? CLAM

2	A
4	B
6	C
8	D
10	E
12	F
14	G
16	H
18	I
20	J
22	K
24	L
26	M
28	N
30	O
32	P
34	Q
36	R
38	S
40	T
42	U
44	V
46	W
48	X
50	Y
52	Z



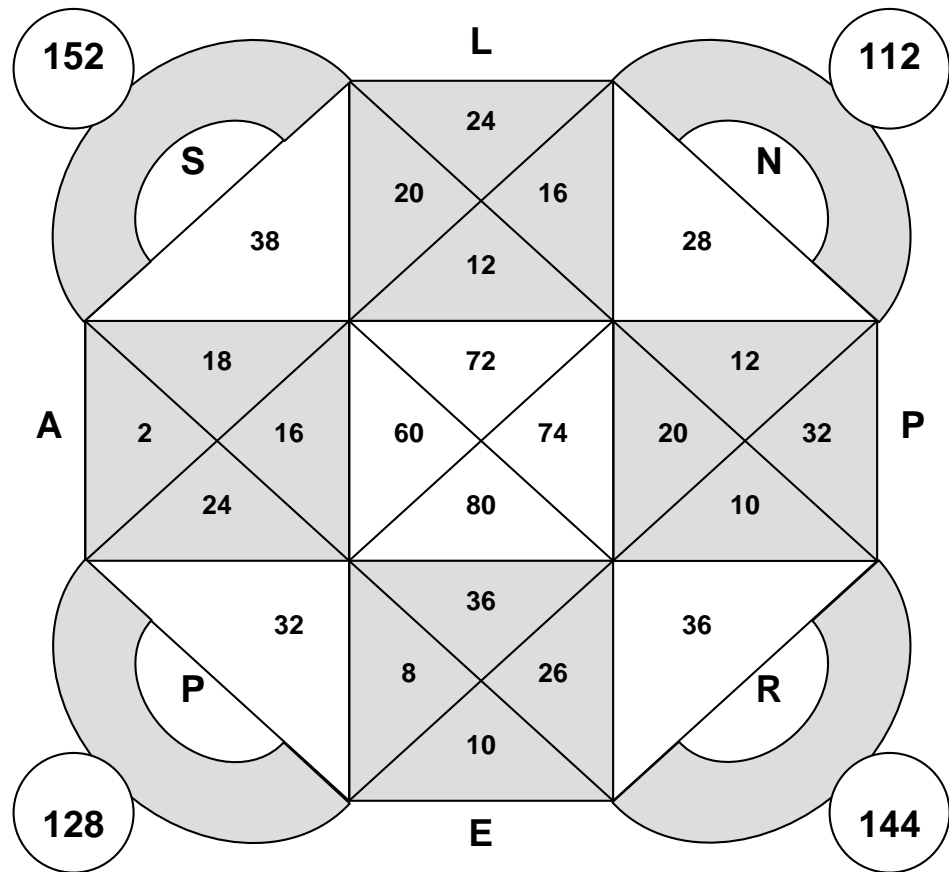
21. Magenta colored flower? SEAFIG

2	A
4	B
6	C
8	D
10	E
12	F
14	G
16	H
18	I
20	J
22	K
24	L
26	M
28	N
30	O
32	P
34	Q
36	R
38	S
40	T
42	U
44	V
46	W
48	X
50	Y
52	Z

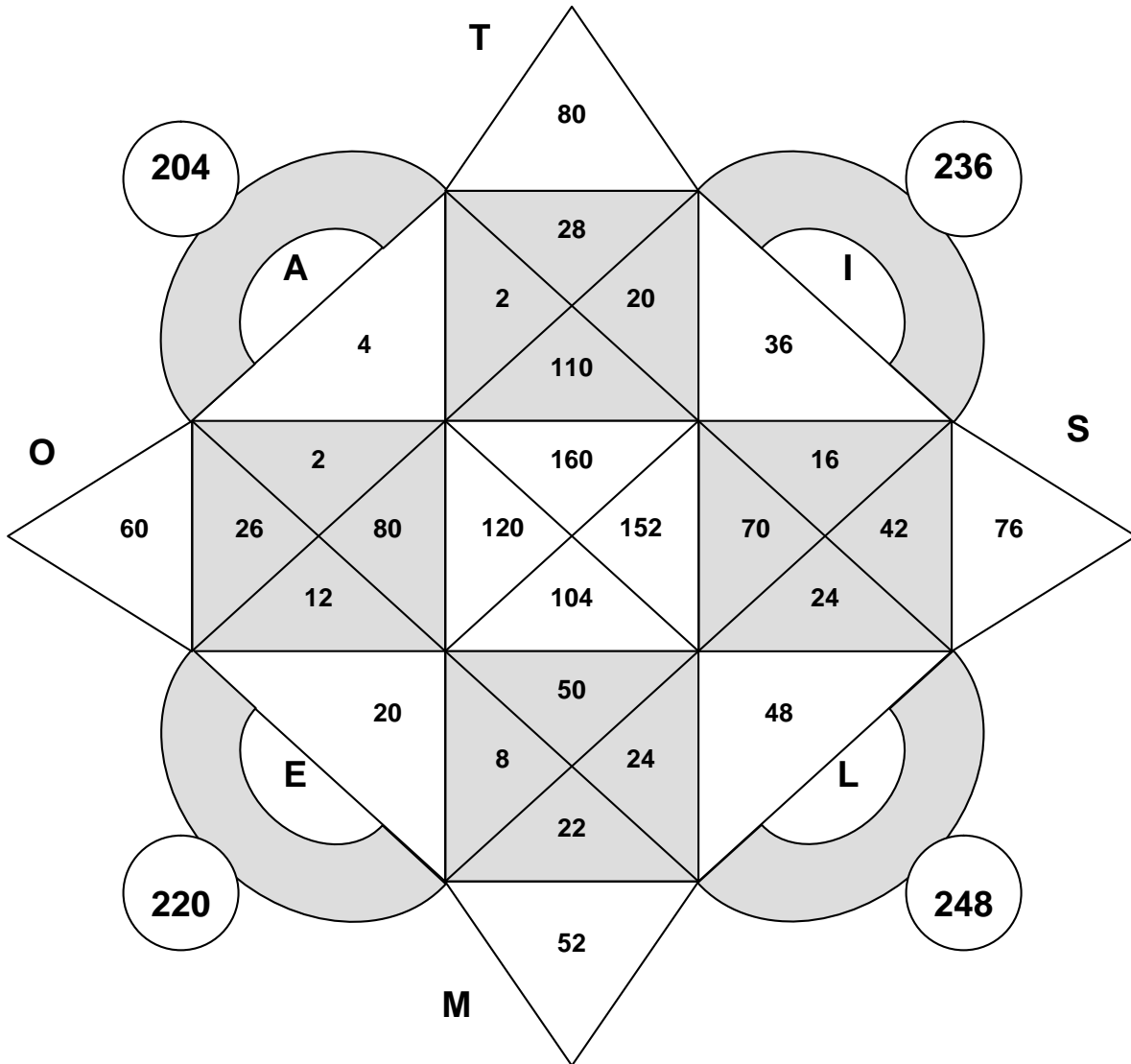


26. First name is Red and last name is?
SNAPPER

2	A
4	B
6	C
8	D
10	E
12	F
14	G
16	H
18	I
20	J
22	K
24	L
26	M
28	N
30	O
32	P
34	Q
36	R
38	S
40	T
42	U
44	V
46	W
48	X
50	Y
52	Z



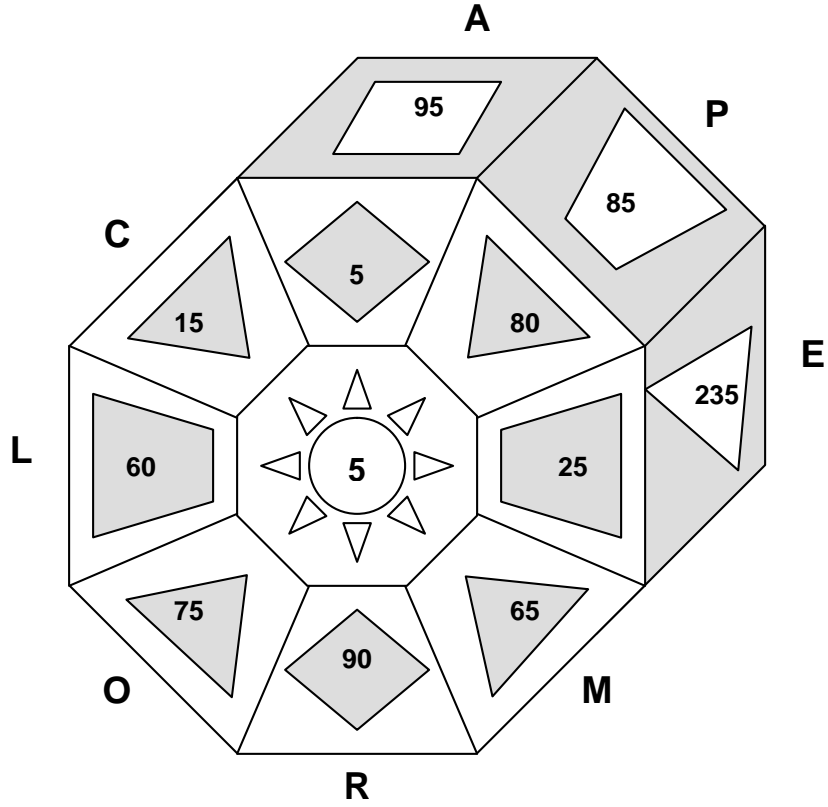
31. Sleek-bodied with a tail and flippers? SEAL



A	B	C	D	E	F	G	H	I	J	K	L	M
4	8	12	16	20	24	28	32	36	40	44	48	52

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
56	60	64	68	72	76	80	84	88	92	96	100	104

36. Important reef builders CORAL



1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
5	10	15	20	25	30	35	40	45	50	55	60	65

14	15	16	17	18	19	20	21	22	23	24	25	26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
70	75	80	85	90	95	100	105	110	115	120	125	130

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