20 Shape Drawing (7-11)

Rules

- a drawing.
- a drawing. ~ This step by step procedure is called an algorithm.

Algorithm (with mistakes)

Desired Outcome

- 1. Draw a redangle at the end of the page
- 2. Draw a square with pattern of the page.
 - 3. Drawa circle at the potton of the squire
 - 4. Draw a troong with its
 base aligned to one edge of
 the square straded as
 - 5. Draw a redant with hight half of the above square and shade !



- 6.) Draw tour grey circles inside the Square above the rectangle.
 - 7) Colour the circles pink.

Block Logic Puzzle (9-13)

~ Square is divided into blocks with different patterns.

Rules

- ~ Aim to fell the blocks with numbers
- ~ These numbers should count up from 1 ripto the number of block with the same pattern. (for ear pattern)
- ~ Adjacent block cannot contain some nubers

 O 0 0 0 0 are adjacent

 8 2 0 blocks.

a. Solve

1	1°	0	6
	×	3°	1
	1 *	7	2
	+	5	+

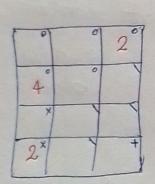
A. Solution

1	9 0	0
2	3	1
1	1	2
-	5	+

	F 101	4	2°
1	2×	3	1
	1 ×	+	2
	+	5	

1	10	4	2
	2*	3°	1
0	IX	4+	2+
	3	5	1

a solve



A. Solution

01	0 2
4	0
1×	1
2×	1

	0	1 0	2°
^	4°	0	1
1	1×	3	2
1	2×	4	1+
1	2×	4	-

	10	301	20
_	4°	5°	1
10	1 ×	3	2
	2×	4	1+

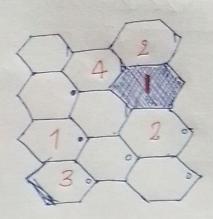
Hive Puzzle

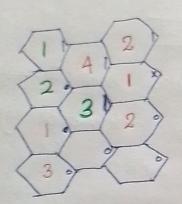
- Hive with different heragonal patterns are given.

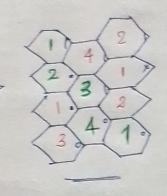
Rules

- ~ The hexagon must be filled with numbers.
 - These numbers must not court up from I to number of hexagon's up from I to number of hexagon's with same pattern (for each pattern)
 - à Adjacent hexagons camot contain the same number.

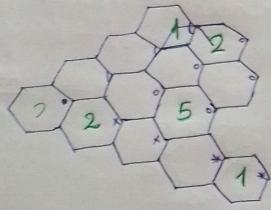
a. Solve



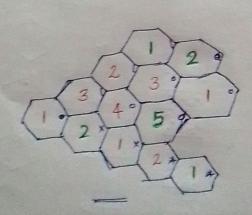


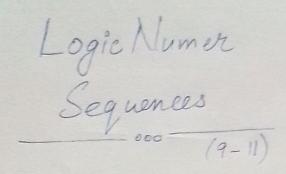


a solve



A. Solution





Menton: JOVAL Student: Clarita

1.) 5 , 10 , 15 , 20 , — 5, 10, 5

- Saw first two numbers
- Added 5 with the first number got the
- saw next two numbers

5 to 10 and numbers (10,15) saw and added

=> this is an algorithm

DAM: 25

2.) 3,8,—,18,—

- add 5 to the previous mulet number

3, 8, 13, 18, 23

3.) 10, 8, 6, —,

- add take away 2 from previous

number

10, 8, 6, 4, 2

4) 40, —, 45, 55, 50, —, 55, —

- add 102, then take away 5

- repeat.

10, 50 45, 55, 50, 60 55, 65



Sudoku Puzzle (7-11)

Rules (+x4)

« Each sub squares must contain only

the same number of sud

1. Fill out each sub squares from numbers

2. Each whem & each now does not repeat any numbers,, seperately.

a1.

4	1		3
	3	2	
	4	3	
3			2

1 3 2 4 2 4 3 1	14	2	1	3
2 4 3 1		3	2	4
2 1 4 2	2	4	3	1
3 1 1 1	3	1	4	2

a2.)

-			3	
	1			
				4
		2		

Ag

2	4	3	
1	3	4	2
3	1	2	4
4	2	1	3

Vector-Dot Puzzle (9-13)

Rule

~ Plot the co-odinales

~ Connect them

~ Fill the colours aptly.

 $Q \rightarrow (2, 2) (4, 2) (4, 4) (2, 4)$

A->

$$Q \rightarrow \square$$
 (2,1) (1,3) (1,6) (3,9) (7,9) (9,6) (9,3) (1)
 \square (6,3) (6,4) (3,4) (7,3)
 \square (3,3) (3,4) (4,4) (4,3)
 \square (2,6) (4,8) (6,8) (8,6) (6,7) (4,7)

