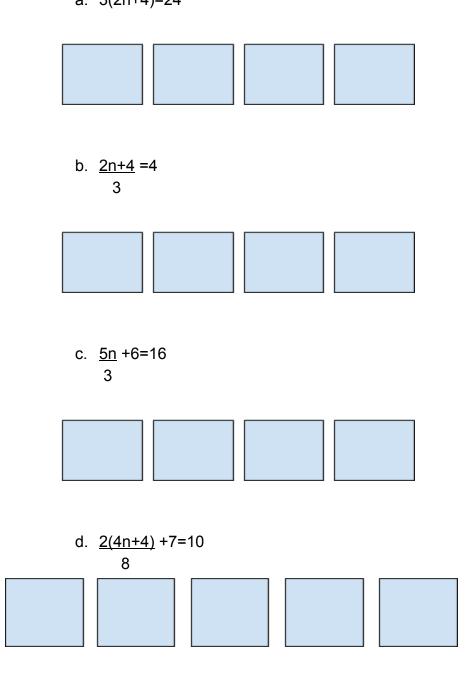
Algebra Review Day

Use the backtracking method to solve each equation.
a. 3(2n+4)=24



e. <u>3n+9</u>+5=8 6

f. 6n+8=20

g. 7(n+3)-5=23

h. 2(6n-3)-4=14

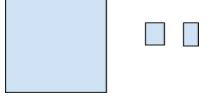
i. 12n-5=19

2. Solve for each and then write the answer using algebra Example: What happens when this is divided by by 3?



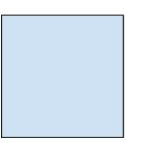
Answer: n+2

a. What happens when you add one more than your special number?



Answer:

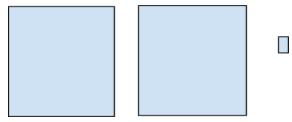
b. What happens when you make this one number larger?





Answer:

c. What happens when you multiply this by 3?



Answer:

3. Pattern of Petal's

a. Use the pattern below to sketch the next two figures



Figure 1Figure 2Figure 3Figure 5B. Complete the table belowC. How many Petals would you need to build the following figures?

Fig #	# of Petals
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

13th

24th_____

57th_____

D. Describe the pattern in words:

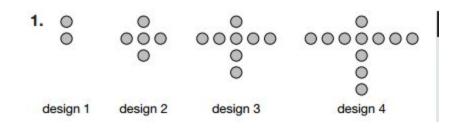
E. Write a rule for the pattern

F. Graph on a separate piece of paper

Extension: Which figure has 235 petals?

5. Pattern of Dot's

a. Use the pattern below to sketch the next two figures



B. Complete the table below

Fig #	# of Dots
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

C. How many Dots would you need to build the following figures?

13th_____

24th_____

57th_____

d. Describe the pattern in words:

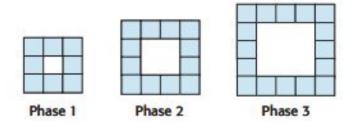
e . Write a rule for the pattern

f. Graph on a separate piece of paper

Extension Which figure number would have 299 dots?

4. Pattern of Blocks

a. Use the pattern below to sketch the next two figures



B. Complete the table below

Fig #	# of Dots
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

C. How many Blocks would you need to build the following figures?

13th_____

24th	

57th_____

D. Describe the pattern in words:

E. Write a rule for the pattern

F. Graph on a separate piece of paper?

Which figure number would have 604 tiles?