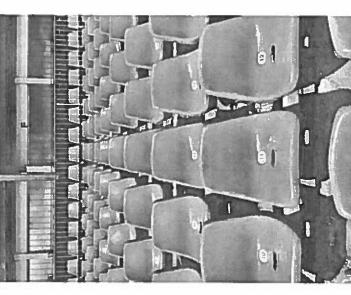


- A) 138 go to 5
- B) 142 go to 11
- C) 140 go to 6
- D) 80 go to 9
- E) 112 go to 8





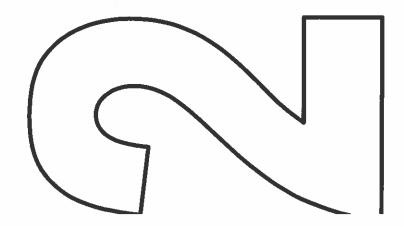


0,= 40

0 = +2



2nd term: 1) (st tem:



successive bounce. Someone drops a golf Dubai, and its first bounce reaches 2041.5 feet. What is the peak height of the ball When dropped, a golf ball bounces to ball from the top of Burj Khalifa in 75% of its previous height on each after the tenth bounce?

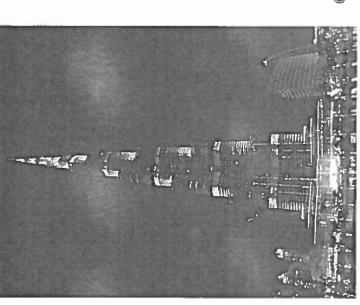


B) 204 ft. go to 5

C) 153 ft. go to 4

D) 114 ft. go to 11

E) 340 ft. go to 8







Geo metric

$$Q_{in} = Q_{i}(r)^{n-1}$$



Write the explicit function that represents this bank account.

balance	
month	

\$ 1,000

\$ 1,040 \$ 1,082

go to 10

go to 11

B) $a_n = 1000(1.04)^{n-1}$

A) $a_n = 1000(104)^{n-1}$

C) $a_n = 1000 + 104(n-1)$ go to 1

D) $a_n = 1000 + 1.04(n - 1)$ go to 8

E) $a_n = 104 + 1000(n-1)$ go to 3

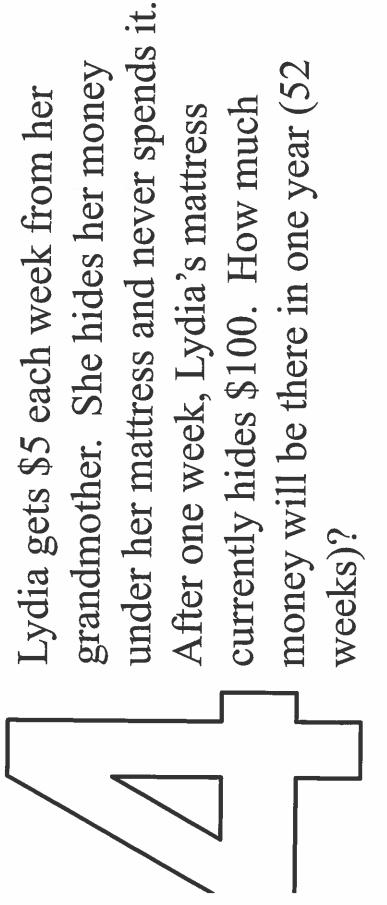




(40.1 pd	so they	
Geometric (increasing by 1.04)	C, D, E are Arithemetic, so	be wrong.
This	6,5	MAST
month balance	2 1040 X X1.04	
2		

A is geometric, but the ris

is the answer is



A) \$345 go to 3

B) \$350 go to 5

C) \$355 go to 10

D) \$360 go to 7

E) \$365 go to 11

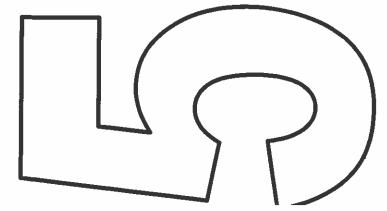


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$$d_n = q_1 + (v_1 - 1)^{\alpha}$$

 $q_{s2} = 100 + (52-1)(5)$





An electrical short occurs in your 100water to increase in temperature 10% degree hot tub at noon. It causes the each hour. When will you be able to boil an egg in your hot tub?



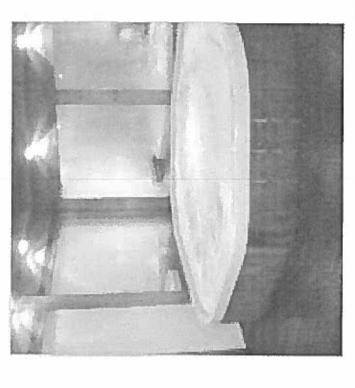
(212 degrees)

B) 6:00 go to 10

C) 7:00 go to 8

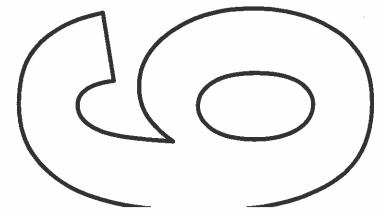
D) 8:00 go to 3

E) 9:00 go to 4



C Copyright, Algebra Awesomeness

an increase of 10% means r = 1.10%		212 = 100 (1.10) Row to solve for an		table of values.		La Row J. Cic.	Complete Control Contr	So go to Stadion 3.
100° 1st term	121'	H6.	.101	. + +	. 6776	214.		
12 pm 10								



increase this number by three push-ups Israel can do 25 push-ups on day 1 of weights. On day 17, how many pushhis workout. He believes that he can each day since he has begun lifting ups would Israel be able to do?

- A) 76 go to 1
- B) 59 go to 5
- C) 93 go to 3
- D) 73 go to 2
- E) 79 go to 8





makes \$9 per hour, because of a bonus for starting work on the day that she is Elena gets a job making burritos. She one hour. How much does Elena earn hired, she has \$59 after working just after working 32 hours?



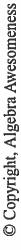
B) \$306 go to 1

C) \$370 go to 5

D) \$288 go to 8

E) \$329 go to 10







If she makes 9\$/hour, but has 59\$ after working 1

one hour, her banus must be 50 \$.

Arithemetic

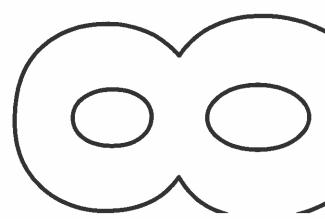
(what she has earned after working I hour) a, = 59 6+ "

an = a, + (n-1)d

a3 = 59 + (32-1)(+9)

az = 338 \$

station



9:00am. How many cells are there Lindsey studies a type of cell that She begins observing one cell at splits into two cells every hour. at 5:00pm?



B) 15 go to 7

C) 128 go to 6

D) 19 go to 9

E) 64 go to 8



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2nd term 1st term gam Icell Jx2

10 am 2 cells 3×2

8 cells 2 ×2 12 pm

9 - Pm

2 pm 32

3 pm 64

4pm 128

do to station I

5pm is in 8 hours from the start

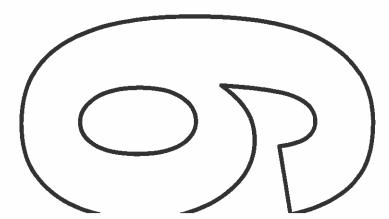
time zero ir gam + 1 cell

1st term 2 cells (in I hour from start)

r= x2

an = a, (r) m-1

 $a_s = 2(2)^{s-1}$



A leak in an aquarium causes it to lose 0.75 gallons per hour. 1000 How many gallons will be in the gallons remain after one hour. aquarium after one day?

A) 1.75

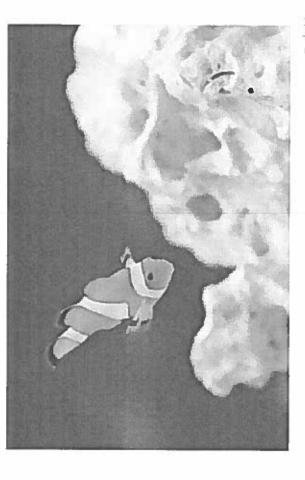
go to 1

go to 10 B) 17.25

go to 3 C) 998.36

go to 7 D) 982.75

go to 8 E) 1017.25









day that he attends his algebra class. Steve's IQ increases by 0.25% each attending all 180 classes this year? After the first day of class, he has an IQ of 90. What will it be after



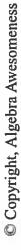
B) 141 go to 8

C) 314 go to 11

D) 200 go to 6

E) 127 go to 9

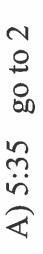




J.041 = 810

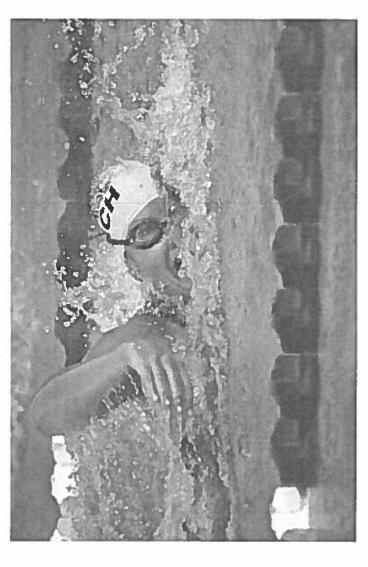


the season. What will her time be on the time of 9:58 for her race. She is able to swim three seconds faster each day of ☐ A swimmer begins the season with a 22nd day?



B) 11:05 go to 10

C) 8:55 go to 9 D) 7:40 go to 8 E) 9:05 go to 5





9 minutes and 58 sec & 598 seconds

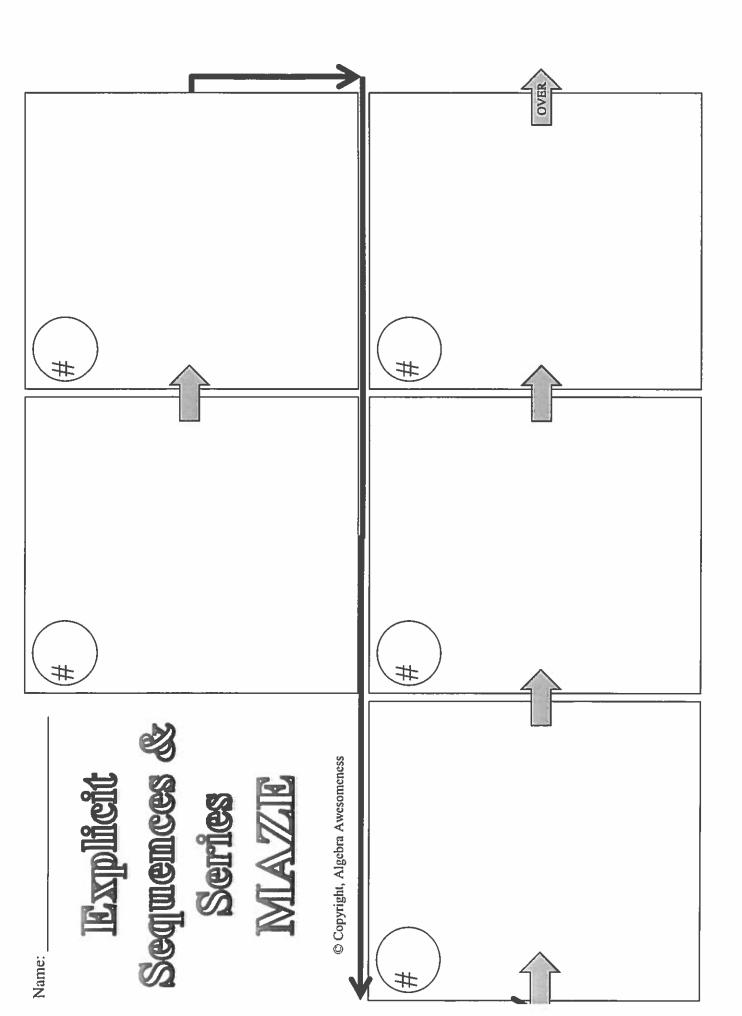
$$d=-3$$
 $q_n=5$

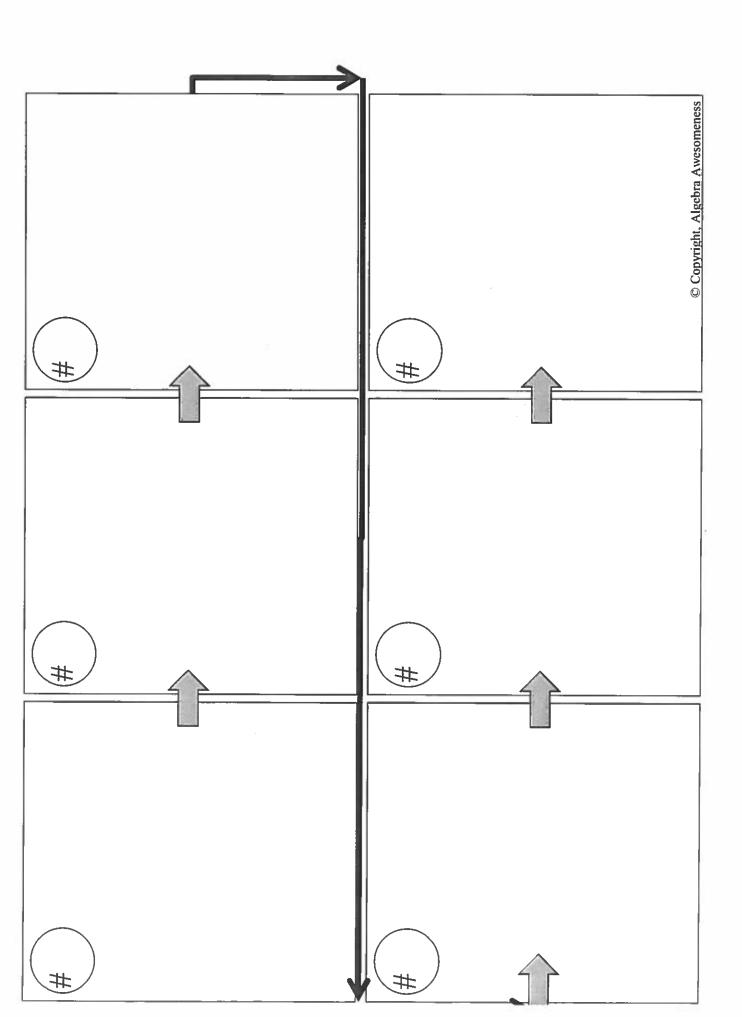
$$q_n = 598 + (22-1)(-3)$$

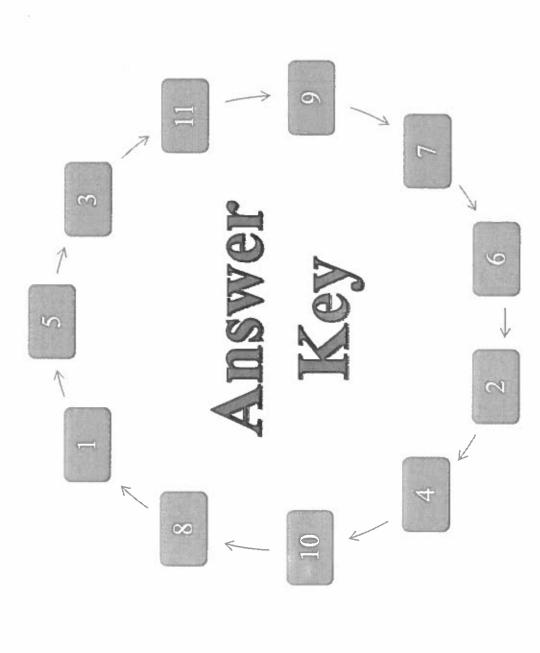
Since there are 60 seconds in each min

.: 8 min 55 seconds.

Elo to Station 9







Begin with the student's group number. Follow the arrows to determine which station they should have visited next. For example, a student in group #7 should have begun with station #7. He should then travel to #6, followed by #2, then #4, and so on, until they have completed all 11 stations in order.