

# - Connect the Dots

Find!!



EARTH SCIENCE

NAME \_\_\_\_\_

Date \_\_\_\_\_

Per. \_\_\_\_\_

Before you do this activity your teacher will show you some isoline weather maps.

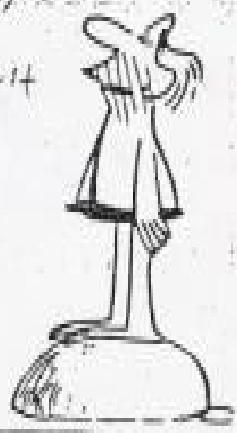
We will look at these maps to see some rules for drawing any isolines.

1. Do isolines ever touch or cross each other? \_\_\_\_\_
2. Do isolines usually have sharp angles or gentle curves? \_\_\_\_\_  
(Pick one answer.)
3. What do all points on an isoline have in common? \_\_\_\_\_
4. Do isolines ever end except at the edge of the map? \_\_\_\_\_  
(They often do make complete circles.)
5. Is the interval from one isoline to the next on any one map always the same interval? \_\_\_\_\_
6. Do isolines tend to make parallel curves \_\_\_\_\_
7. Does every isoline have one side where the numbers are high and the other side where the numbers are low? \_\_\_\_\_

USE A PENCIL TO DRAW THESE ISOLINES AT AN INTERVAL OF ONE. WORK CAREFULLY.

13	15	16	16	18
12	13	14	15	17
11	12	13	14	15
10	12	13	15	16

WHAT A CIRCLE!



Define ISOLINE.

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30	31	32	30	29
31	32	33	31	30
31	34	35	32	30
30	32	33	31	29
29	30	31	30	28

In the previous isoline activity you were drawing isolines at each whole number.

Date \_\_\_\_\_ Per. \_\_\_\_\_

In this activity you will be using different intervals between the isolines.

MAP 1 ISOLINE INTERVAL: 10 (Hint: Do 70 first, then 80, 90, etc.)

75	82	90	100	103	94	81
84	92	110	126	122	114	87
89	99	117	135	111	97	89
99	108	130	124	101	84	74
98	102	115	100	94	75	67

MAP 2 ISOLINE INTERVAL: 5 (Hint: Start with -10, then -5, 0, etc.)

-8	-2	0	2	8	12	16	9
-7	-1	3	5	9	18	15	10
-11	-5	5	8	16	19	18	11
-10	-3	5	8	16	21	18	10
-3	4	6	10	14	18	16	8
0	8	9	9	10	8	4	2
-7	-3	0	5	5	2	-1	-6

relief map  $\pi$ .



a set of directions showing how to get to the nearest outhouse.



9	10	12	14	15	18	21
9	10	12	16	15	18	20
10	11	13	16	17	18	20
11	13	13	17	17	19	21
12	13	14	18	19	19	21
15	14	15	19	20	21	21

*interval 2*  
*interval 2*

31	34	33	32	34
31	35	36	35	32
32	37	37	38	35
33	38	40	39	34
33	34	39	37	33
32	31	36	35	31

(interval-2)

20	21	22	24	26
19	20	22	25	28
18	19	22	27	27
17	18	24	25	24
16	17	20	22	22
15	16	17	18	18