

***** What is White And Goes Up? *****

TO ANSWER THIS QUESTION:

in the blank in any exercise below. Draw a straight line connecting each exercise with correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.

85 cm = _____ m ■

0.85 km = _____ m ■

8.5 cm = _____ mm ■

85,000 dm = _____ m ■

0.85 dam = _____ m ■

850 km = _____ dam ■

4900 m = _____ hm ■

49 mm = _____ dam ■

4.9 hm = _____ km ■

49 dam = _____ cm ■

49,000 dm = _____ km ■

49 m = _____ dm ■

2.77 hm = _____ m ■

2770 mm = _____ dm ■

2.77 m = _____ dam ■

0.0277 km = _____ cm ■

27.7 dam = _____ hm ■

0.277 cm = _____ dm ■

■ 8500

■ 4.9

■ 2770

■ 8.5

■ 0.0277

■ 49

■ 27.7

■ 0.85

■ 0.49

■ 0.277

■ 850

■ 85,000

■ 2.77

■ 490

■ 85

■ 0.0049

■ 49,000

■ 277

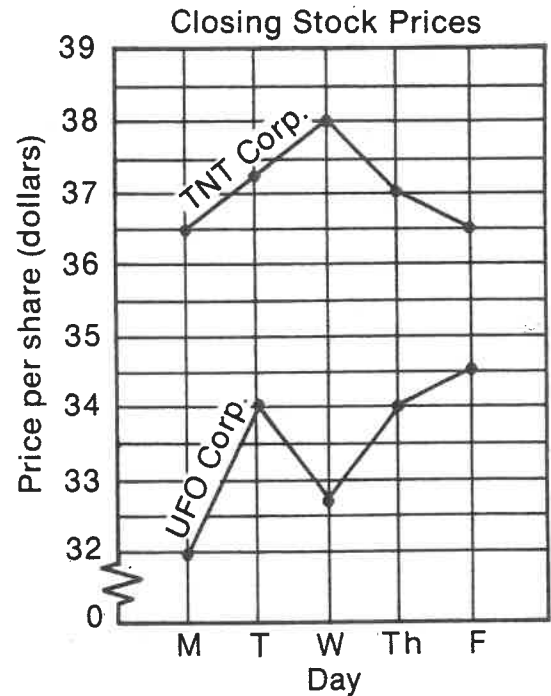
(3) (18) (E)
 (O) (D) (K)
 (9) (16) (F)
 (4) (8) (E)
 (A)
 (12) (14) (L)
 (1) (A)
 (17) (13) (15) (O)
 (6) (S) (C)
 (11) (2) (N)
 (N)
 (7) (F)
 (10) (5) (S) (U) (W)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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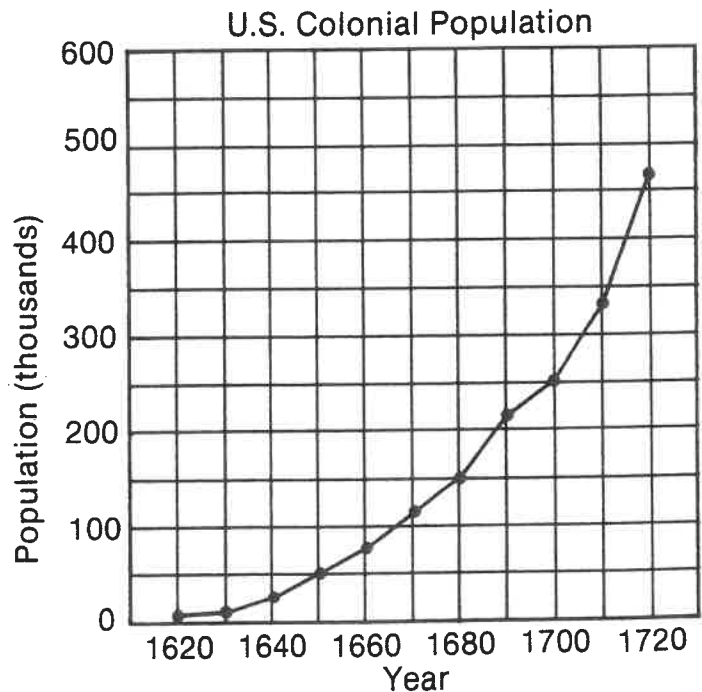
What is a HIBVE?

CIRCLE the letter of the best answer for each exercise. Write the letter in each box that contains the number of the exercise.

- ① What was the closing price for TNT stock on Monday?
(F) \$37.00 (N) \$36.50
- ② What was the closing price for UFO stock on Wednesday?
(G) \$32.75 (S) \$32.25
- ③ On what day was the closing price for TNT stock \$37.25 per share?
(A) Tuesday (T) Thursday
- ④ What was the range of the closing prices for UFO stock during the week?
(R) \$2.00 (V) \$2.50
- ⑤ What was the mean of the closing prices for UFO stock during the week?
(T) \$33.25 (L) \$33.45
- ⑥ What was the median of the closing prices for TNT stock during the week?
(D) \$37.25 (S) \$37.00



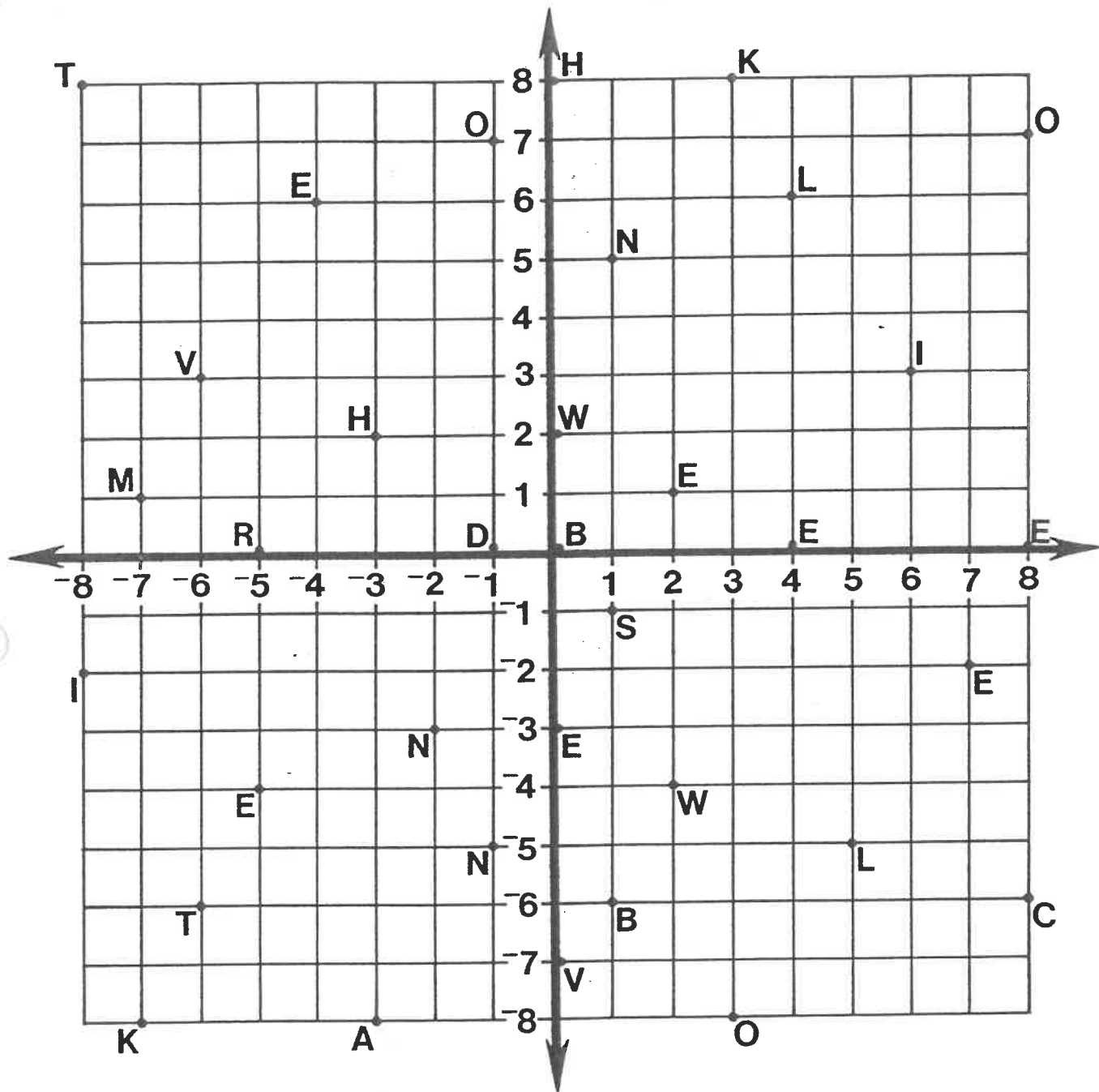
- ⑦ Give an estimate of the colonial population in 1660.
(E) 75,000 (O) 50,000
- ⑧ In what year was the colonial population about 210,000?
(P) 1680 (H) 1690
- ⑨ Give an estimate of the increase in population from 1620 to 1720.
(T) 480,000 (M) 460,000
- ⑩ Based on the graph, what is a reasonable estimate for the colonial population in 1730?
(O) 500,000 (I) 600,000
- ⑪ The population in 1650 was about what percent of the population in 1700?
(B) 20% (F) 25%



3	6	9	3	5	5	11	7	7	10	1	3	11	10	2	8	10	4	7
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What Did One Ear Say To The Other?

Each pair of numbers at the bottom of the page stands for a point on the coordinates below. Above each pair of numbers, write the letter that appears at that point.



- (6,3) (1,5) (-4,6) (-6,3) (4,0) (-5,0) (-7,-8) (-1,-5) (7,-2) (2,-4) (0,2) (0,-3)
 (0,0) (8,7) (-6,-6) (-3,2) (5,-5) (-8,-2) (0,-7) (-5,-4) (-1,0) (3,-8) (-2,-3)
 (-8,8) (0,8) (8,0) (1,-1) (-3,-8) (-7,1) (2,1) (1,-6) (4,6) (-1,7) (8,-6) (3,8)

GET THE POINT

Graph the points in each group and connect each point with the next point using straight line segments. Do NOT connect the last point in one group with the first point in the next group. For the next-to-last group, you are asked to shade in the area formed by the points in that group. Use pencil so you can erase if necessary. It's gra-fun!

(0, 6.5)

(6, 6.5)

(7, 5.5)

(6, 4)

(9.5, 9)

(13.5, 6)

(12.5, 2.5)

(9.5, 2.5)

(9.5, 9)

LIFT PENCIL

(-6, 6.5)

(-3, 8.5)

(0, 6.5)

(-1.5, 5.5)

(-2.5, 4)

LIFT PENCIL

(1.5, 3.5)

(2.5, 3)

(3, 2.5)

LIFT PENCIL

(-3, -15.5)

(-7, -15.5)

(-10, -12.5)

(-13.5, -5)

(-10.5, -5)

(-9.5, -2)

(-6, 1)

(-4.5, 1)

LIFT PENCIL

(0, 3.5)

(-1, 3)

(-1.5, 2.5)

LIFT PENCIL

(15, 2.5)

(12, 1)

(10.5, 2.5)

(8, 0)

LIFT PENCIL

(12, 1)

(12, -8)

(4.5, -17)

(-1.5, -17)

(2, -20.5)

(-3, -15.5)

(3, -15.5)

(10.5, -8)

(10.5, 0.5)

(9.5, 1.5)

LIFT PENCIL

(-4.5, 4)

(-6, 2.5)

(-6, 6.5)

(-2.5, 4)

(-4.5, 1)

(6, 1)

LIFT PENCIL

(-2, -1.5)

(-5, -1.5)

(-5.5, -1)

(-5.5, 0)

(-5, 0.5)

(-2, 0.5)

(-1.5, 0)

(-1.5, -1)

(-2, -1.5)

SHADE IN THE
AREA FORMED
WITH THE
POINTS ABOVE.

(-12.5, -5)

(-11.5, -3.5)

(-10.5, -5)

(2, -5)

(1, -3.5)

(0, -5)

(3.5, -5)

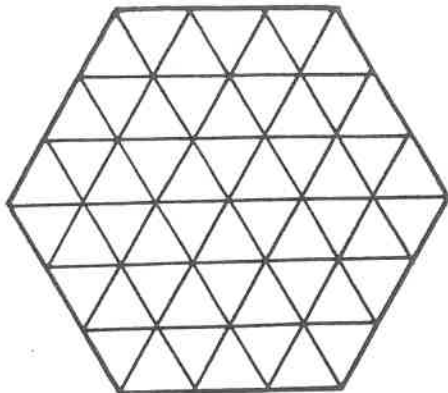
(6.5, -2)

(6.5, -3.5)

STOP

Test Of Genius

1 How many regular hexagons can you count in this figure?



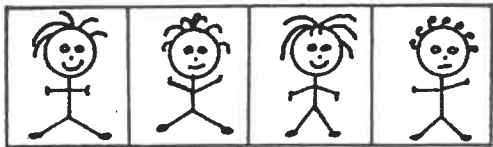
2 Mr. Black, Mr. Brown, and Mr. Green were lunching together. One of them was wearing a black tie, one a brown tie, and one a green tie. Suddenly the man wearing the green tie noticed something.

"Do you realize," he said, "we are wearing ties that match our names, but not one of us wearing a tie to match his own name."

"What a curious thing!" exclaimed Mr. Black.

What color tie was each man wearing?

3 Four stamps can be attached to each other in various ways. One way is shown here. In how many other ways might four stamps be attached?



4 As a prize, a contest winner is to draw one bill at a time from a box containing ten \$5 bills, ten \$10 bills, and ten \$20 bills. The drawing ends when 3 bills of the same denomination are drawn.

What is the largest sum of money that can be won under these conditions?

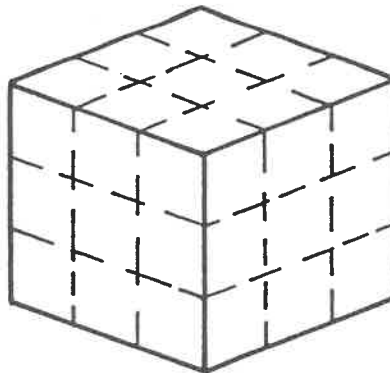
5 What is the next figure in this series?



6 What is the greatest amount of money you can have (in pennies, nickels, dimes, quarters, and half dollars) and still not be able to give change for a dollar?

7 The figure below represents a cube that measures 3 cm on each edge. Suppose the entire cube is painted red. It is then cut up into 27 smaller cubes that are each 1 cm on each edge.

How many of these 27 cubes have 3 red sides? How many have 2 red sides? How many have 1 red side? How many have no red sides?



8 It takes $4\frac{1}{2}$ hours for a jet to fly from coast to coast. One jet leaves Los Angeles for New York at 4:40 P.M., while another jet leaves New York for Los Angeles at 6:00 P.M. Which plane will be closer to New York when they pass each other?

SCORING KEY

- 7 or 8 — *Superstar Genius*
- 5 or 6 — *Star Genius*
- 3 or 4 — *Genius*
- 2 or less — *Genius of the Future*

