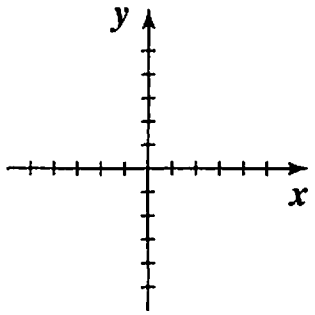
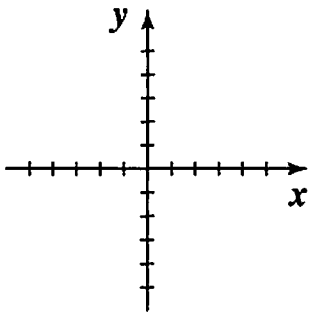
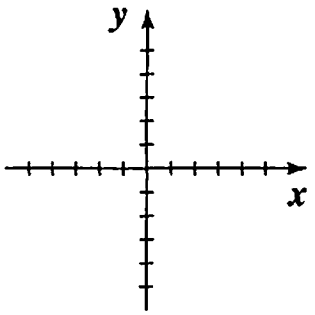
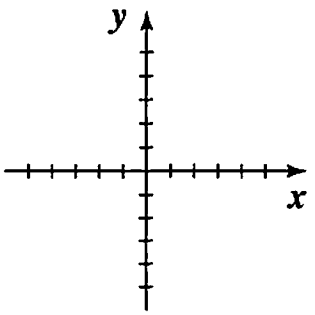
Lesson 5.5

Name

Graphing Parabolas

7-10.

Function	Factored form	x-intercept(s)	y-intercept	Vertex	Graph
$y = x^2 - 2x - 3$					
$y = x^2 + 4x + 3$					
$y = x^2 - 4x + 3$					
$y = x^2 + 2x - 3$					

Lesson 7.2

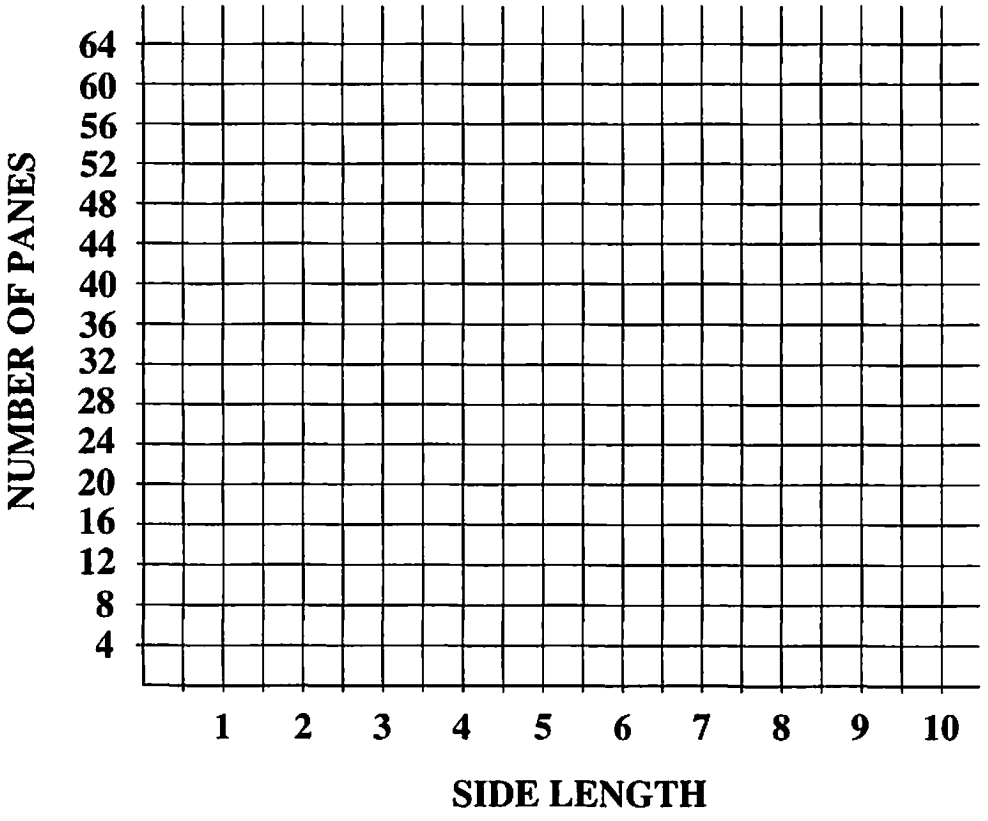
Name _____

Square Windows

3.

Window Dimensions	Number of Corner Panes	Number of Edge Panes	Number of Inside Panes	Total Number of Panes
2 by 2				
3 by 3	4	4	1	9
4 by 4				
5 by 5				
6 by 6				
7 by 7				
8 by 8				
9 by 9				
10 by 10				

5.



Lesson 7.3

Name

Squares of Sums

2-7. a. Use the Algebra Lab Gear to build a square using the blocks specified.
b. Write the dimensions of the square and the area of the square.
c. If it is impossible to build a square, explain in the comments column.
d. If it is possible to build more than one square, indicate the dimensions of other squares that you could build in the comments column.

Blocks to build the square with	Dimensions of square	Area of square	Comments (Impossible? More squares?)
10 x-blocks and any other blocks that you want (except more x-blocks)			
16 one-blocks and any other blocks that you want (except more yellow blocks)			
8 xy-blocks and any other blocks that you want (except more xy-blocks)			
3 x^2-blocks and any other blocks that you want (except more x^2-blocks)			
15 one-blocks and any other blocks that you want (except more yellow blocks)			
4 x^2-blocks and any other blocks that you want (except more x^2-blocks)			

Lesson 9.11

Name _____

Let's Eat!: Pizza Prices

Pinky's Prices

Size	Diameter	Price
Small	8″	$4.25
Medium	12″	$8.50
Large	14″	$10.20

Primo's Prices

Size	Diameter	Price
Small	10″	$6.44
Medium	12″	$8.84
Large	14″	$9.91

Pinky's

Diameter (inches)	Area (square inches)	Price	Price per square inch
8	16π	$4.25	
12		$8.50	
14		$10.20	

Primo's

Diameter (inches)	Area (square inches)	Price	Price per square inch
10			
12			
14			

Lesson 10.2

Name

How Much of Each Kind?

2, 6.

Nickels		Quarters		Total Coins	
no.	value	no.	value	no.	value
45	225	11	275	56	500
x	$5x$	y	$25y$		

11.

Apple juice		Cranberry-apple		Mixture	
apple	cran	apple	cran	apple	cran
15	0	2.5	2.5	17.5	2.5
8	0	6	6	14	6
6	0				
		8			
			9.5		
x		$0.50y$		$x + 0.50y$	

Lesson 11.5

Name _____

Dice Games

2. All possible two-dice sums.

Sum	2	3	4	5	6	7	8	9	10	11	12
Possible ways	(1, 1)					(1, 6) (2, 5) (3, 4) (4, 3) (5, 2) (6, 1)					
# of ways	1					6					

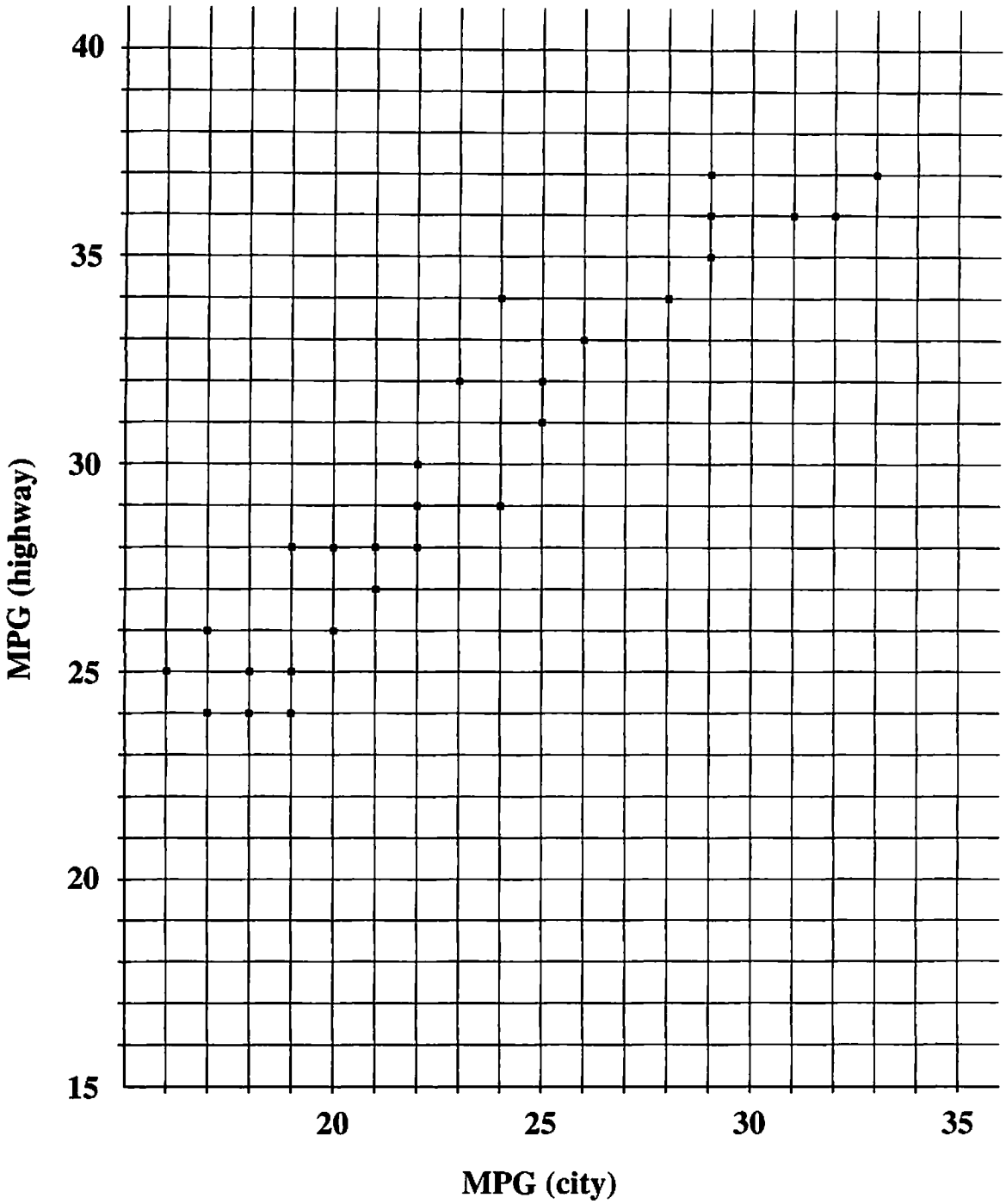
11. Possible outcomes in the two-dice experiment.

		BLUE DIE					
		1	2	3	4	5	6
RED DIE	1	(1, 1)	(1, 2)	(1, 3)	(1, 4)	(1, 5)	(1, 6)
	2	(2, 1)	(2, 2)	(2, 3)	(2, 4)	(2, 5)	(2, 6)
	3						
	4						
	5						
	6						

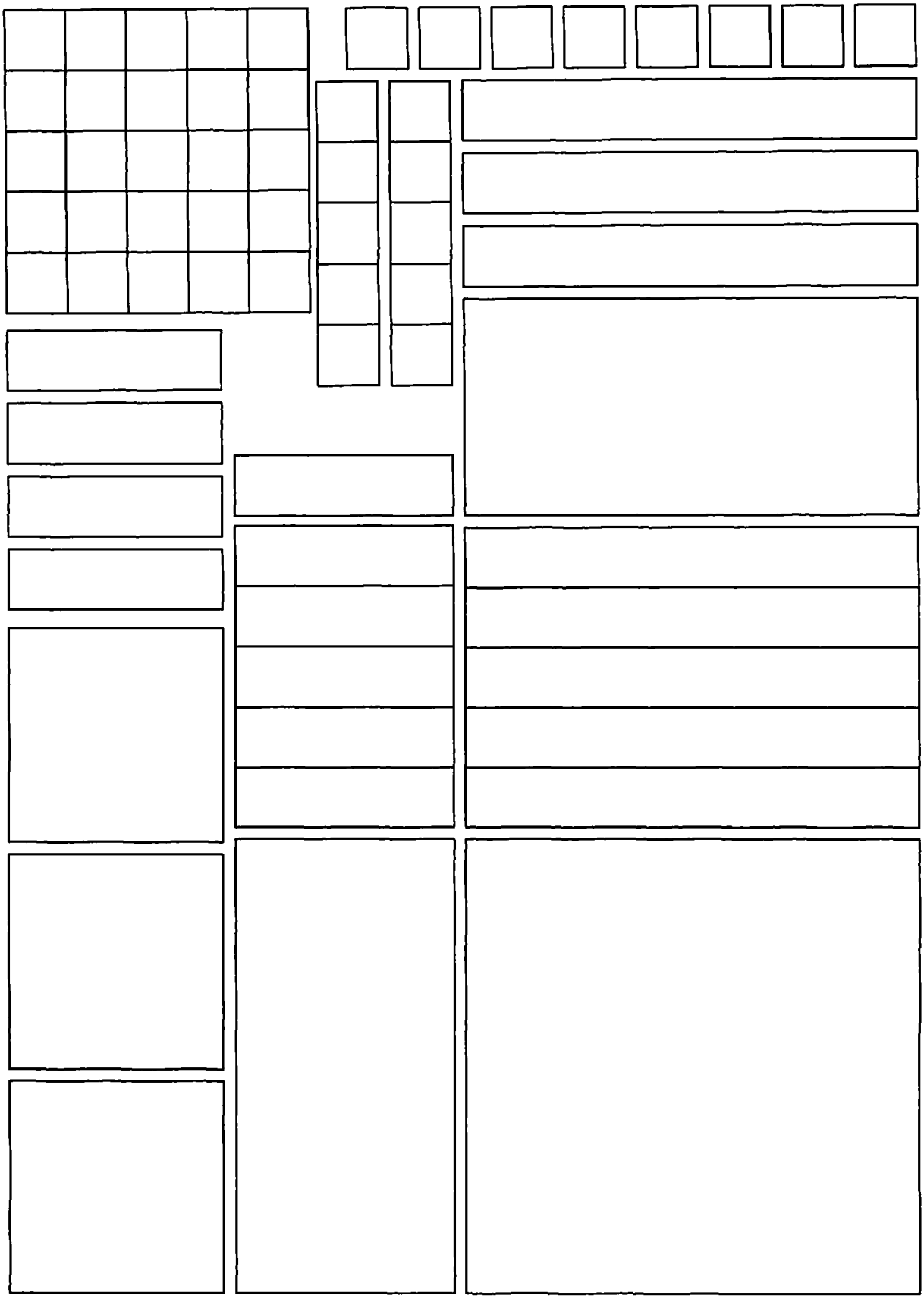
Lesson 12.2

Name

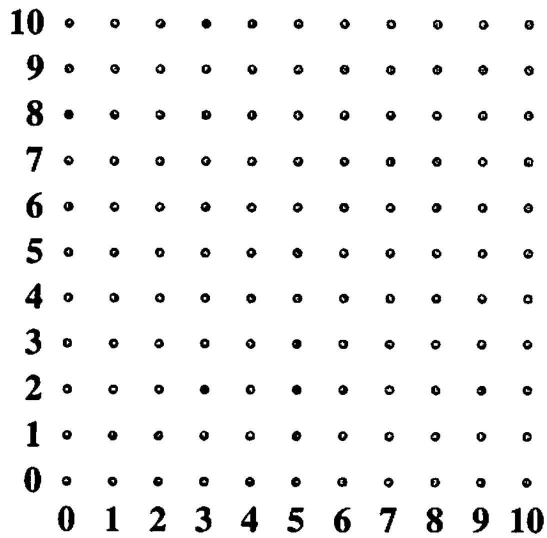
THE MEDIAN-MEDIAN LINE

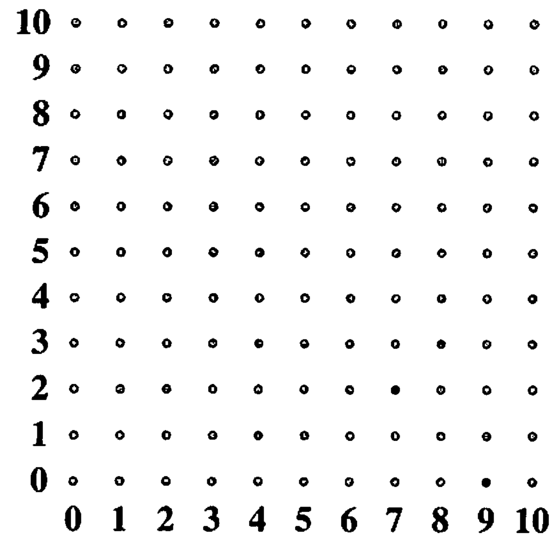


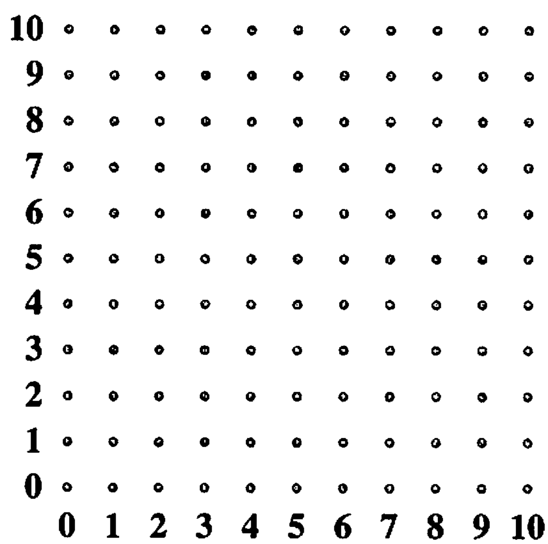
Paper HomeWork Gear

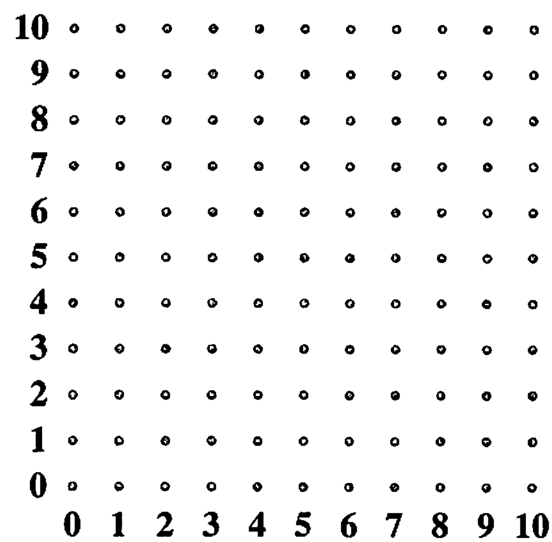


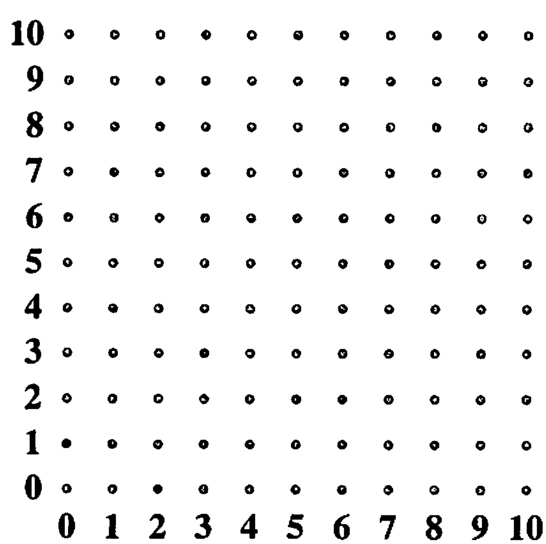
Geoboard Dot Paper

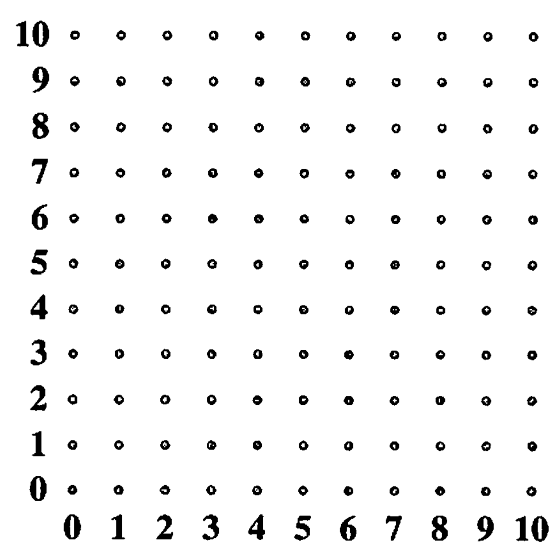




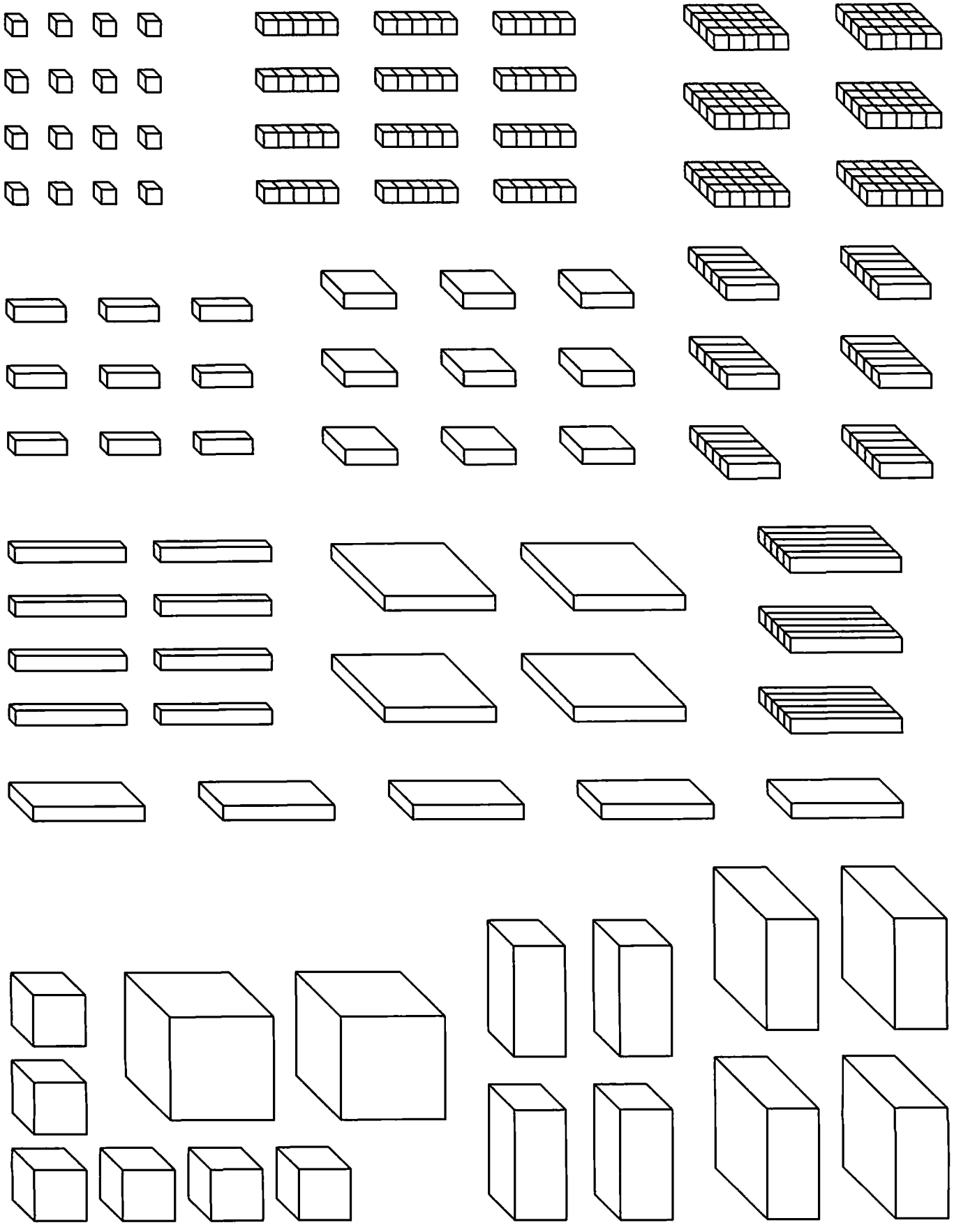




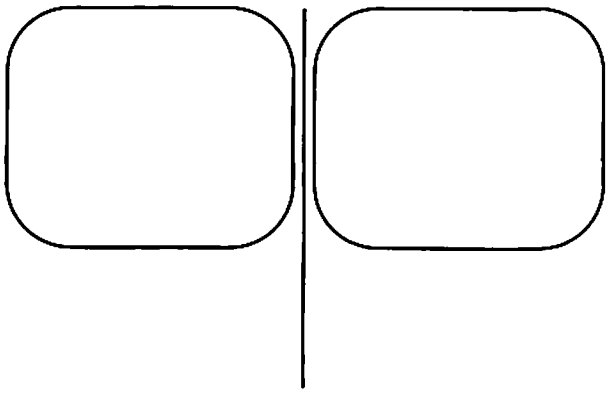


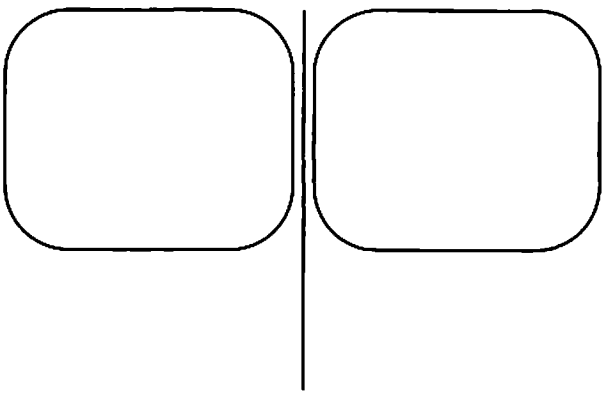


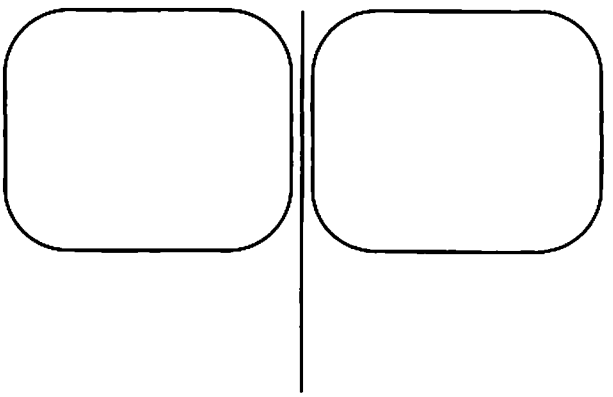
Algebra Lab Gear Clip Art: Blocks in 3-D View

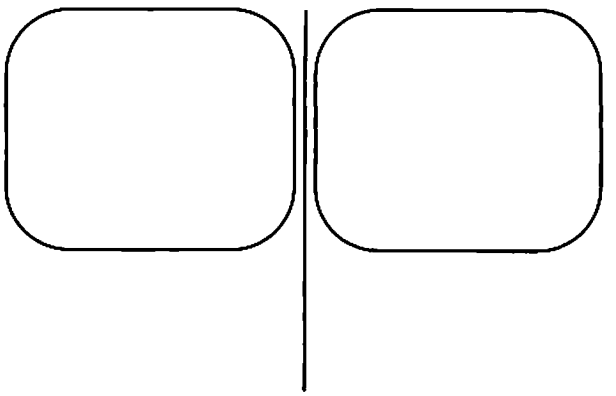


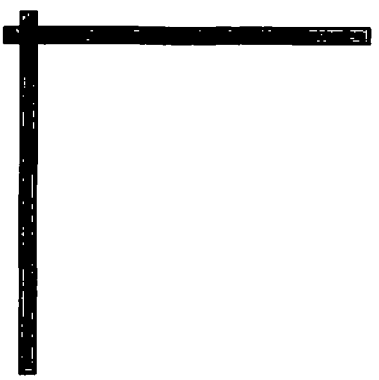
Algebra Lab Gear Clip Art: Workmats and Corner Pieces

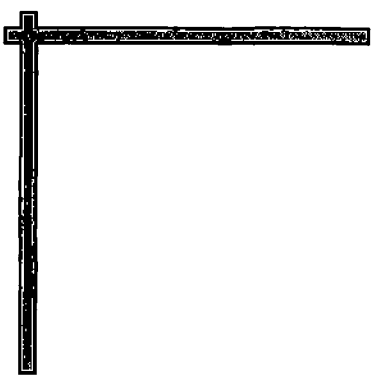


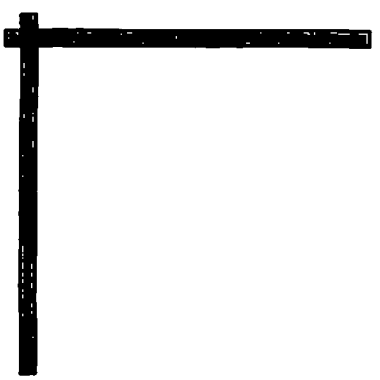


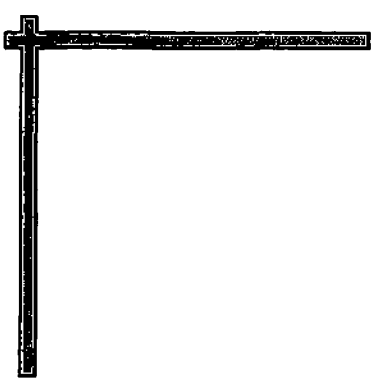












Algebra Lab Gear Workmat