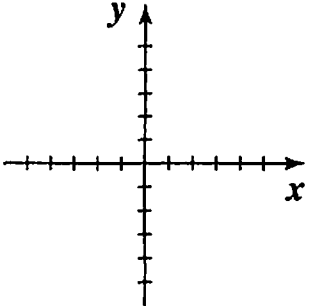
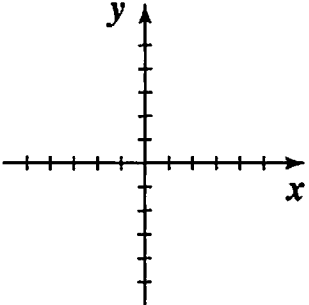
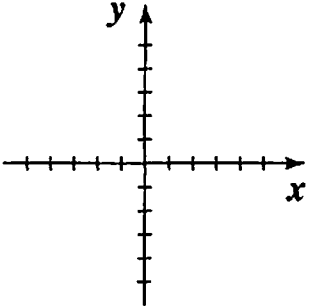
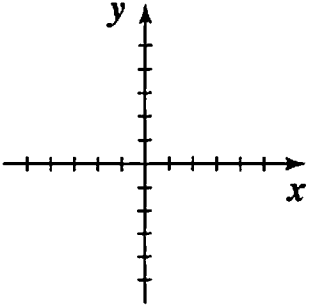


# Lesson 5.5

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

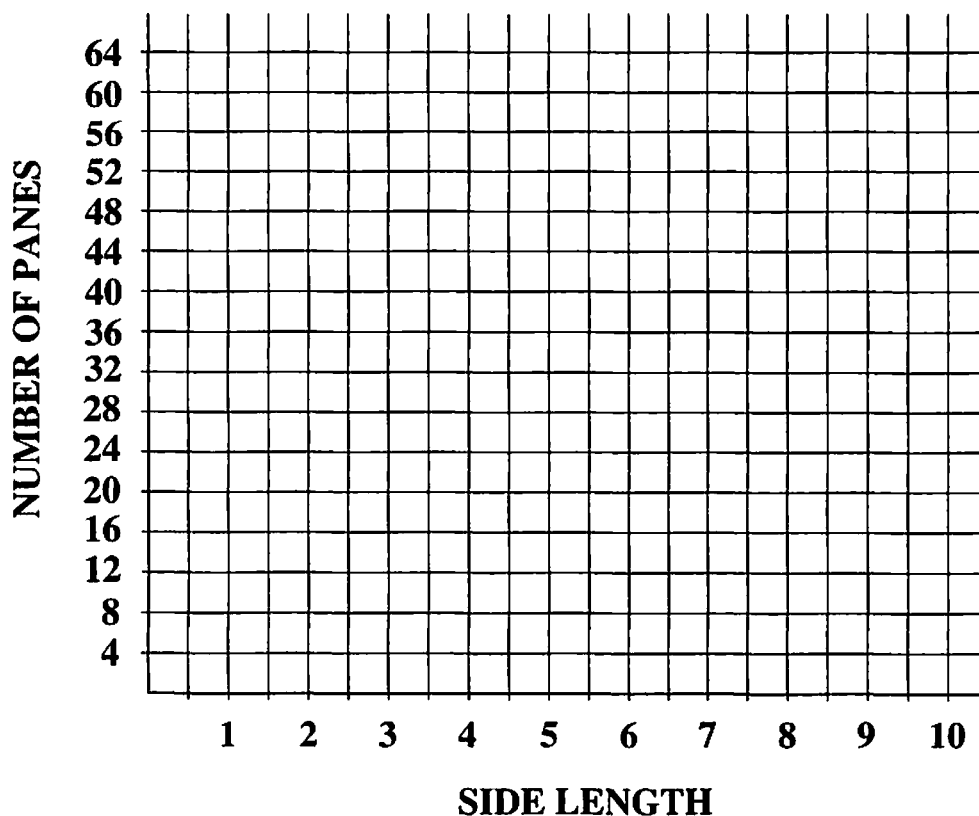
Name \_\_\_\_\_

## 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	$16\pi$	\$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					

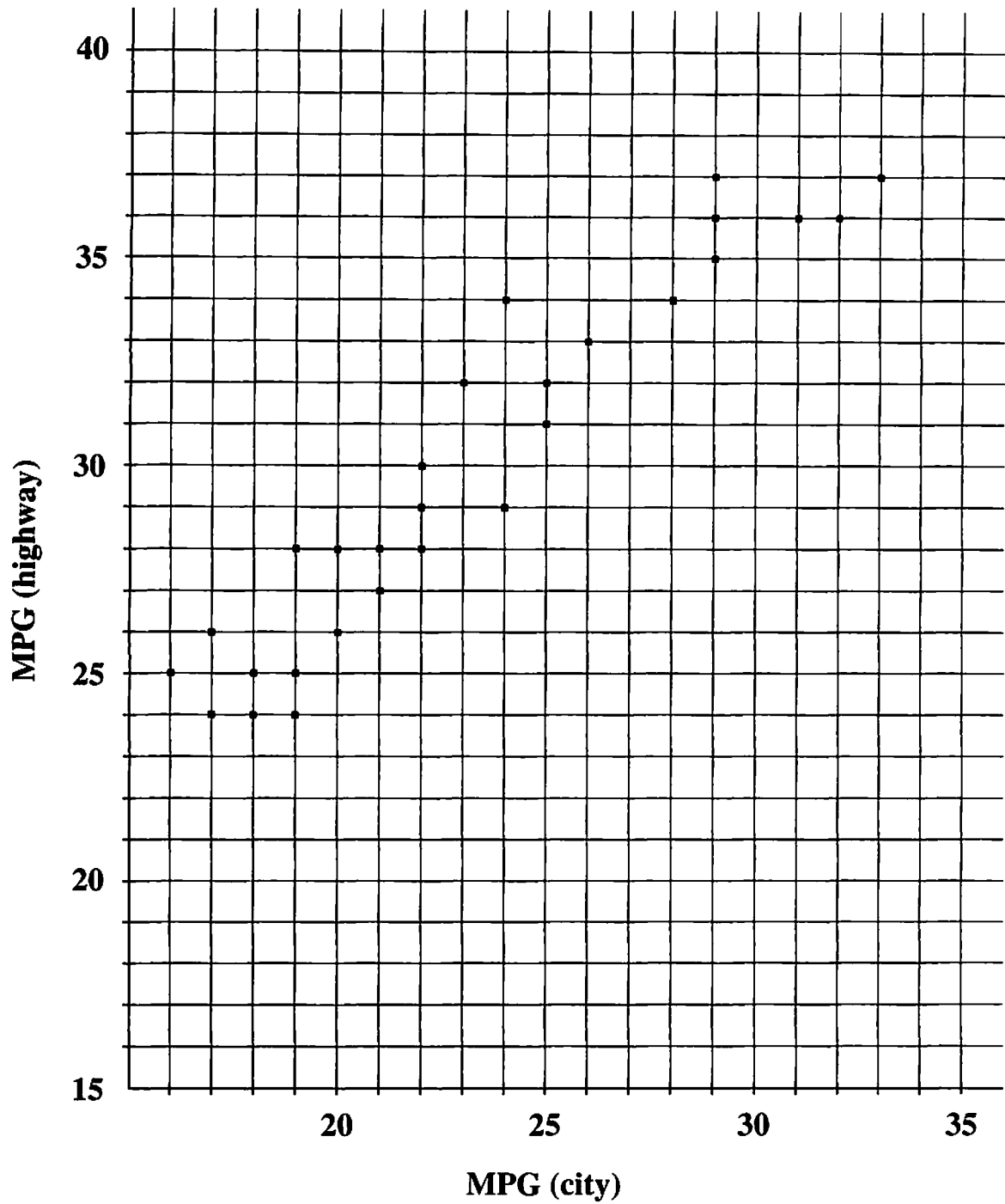
11. Possible outcomes in the two-dice experiment.

		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



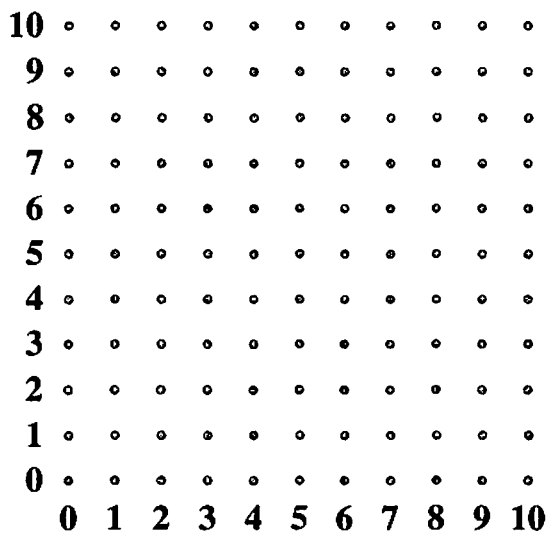
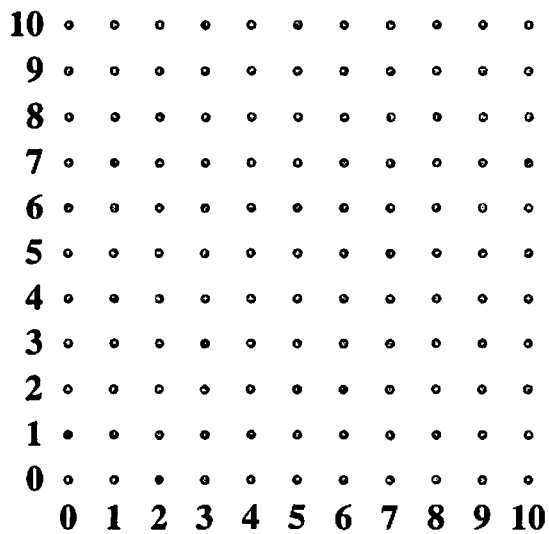
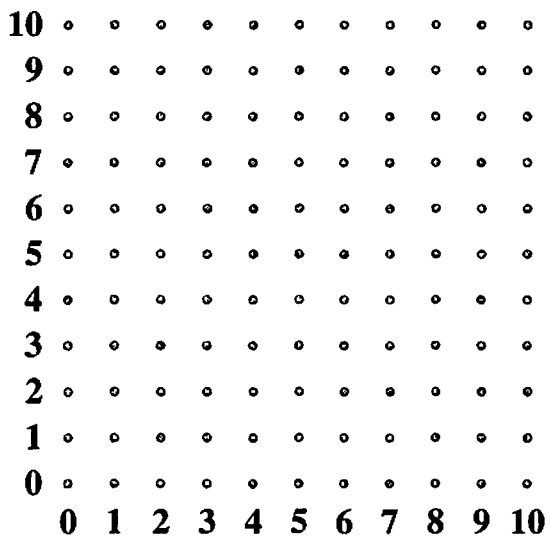
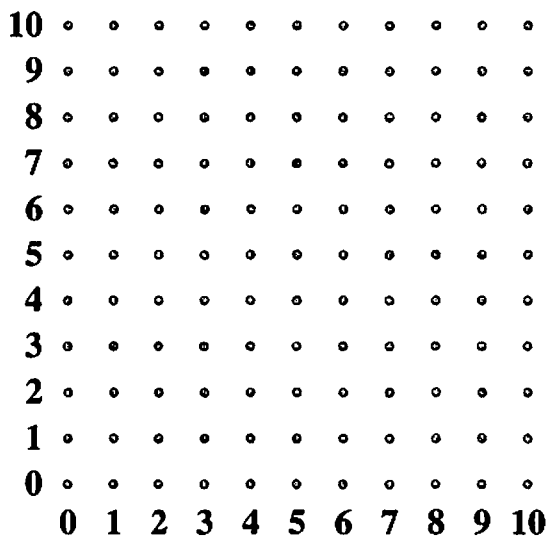
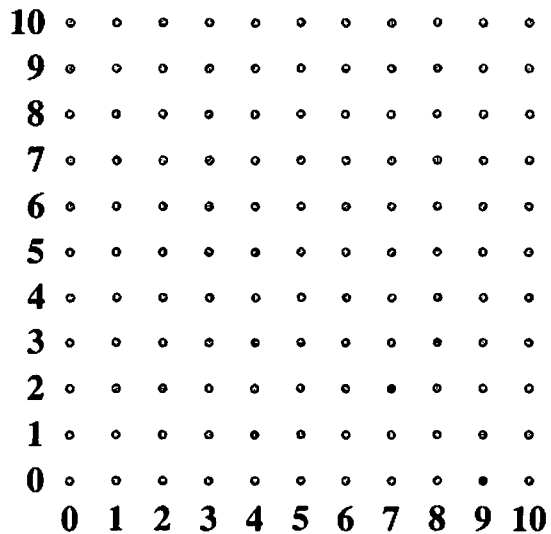
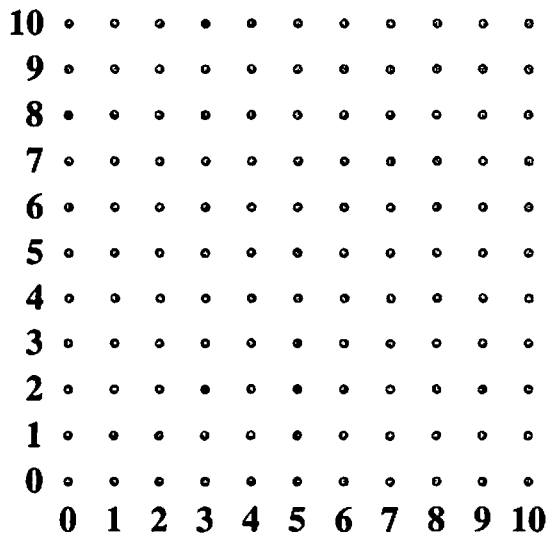
# Paper HomeWork Gear

The worksheet is designed for algebraic work and includes the following sections:

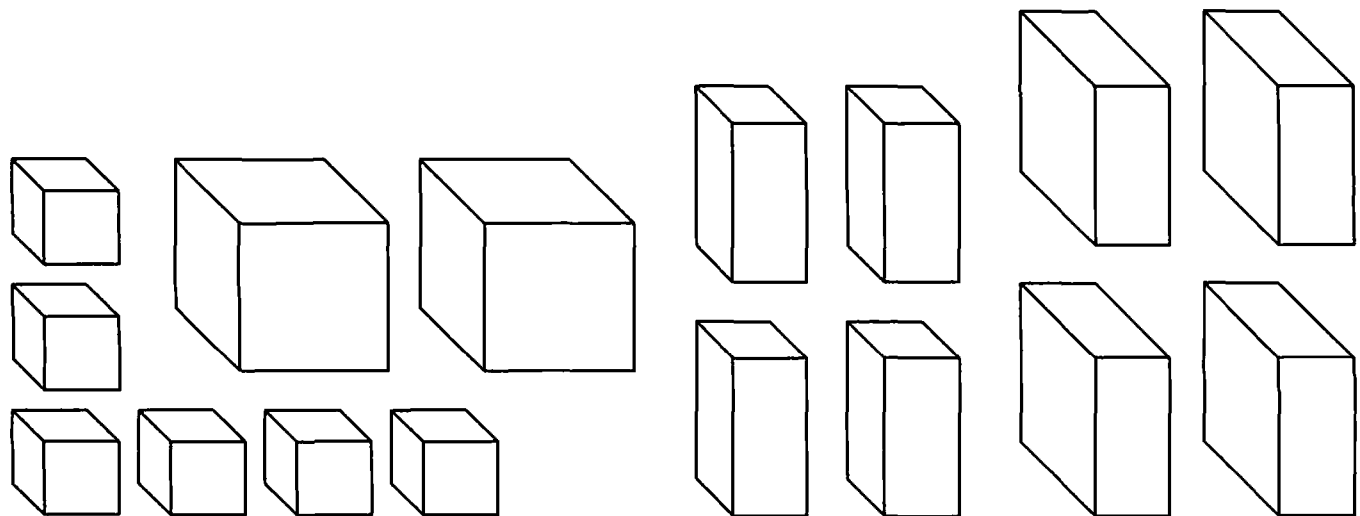
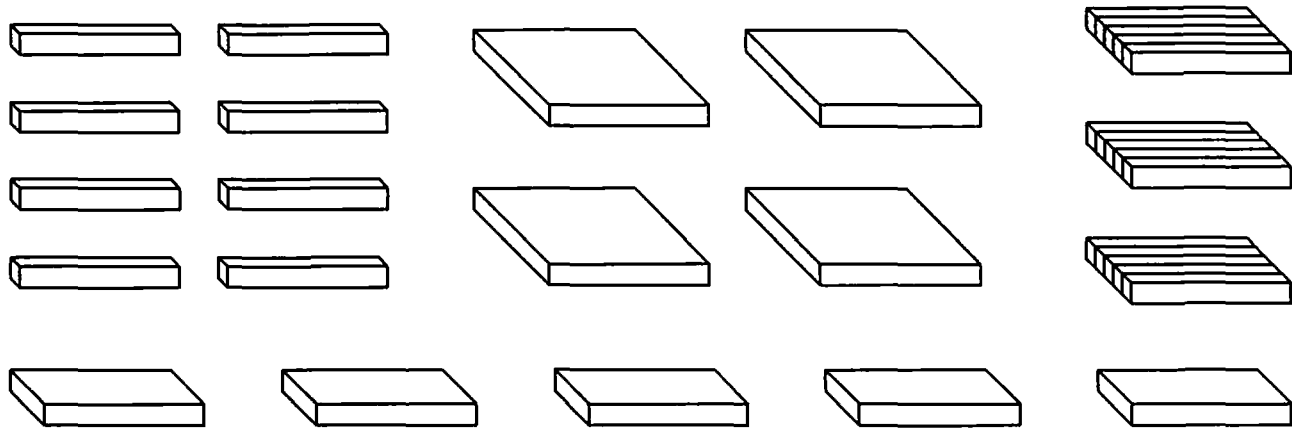
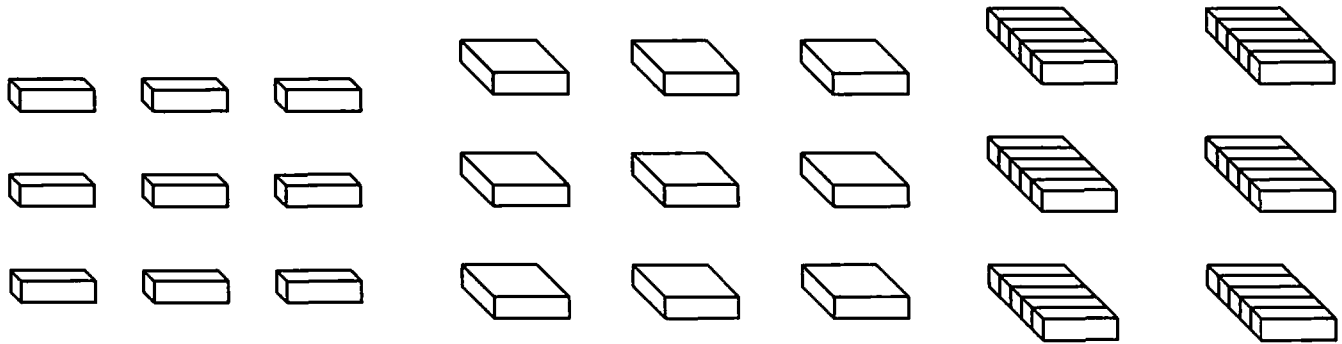
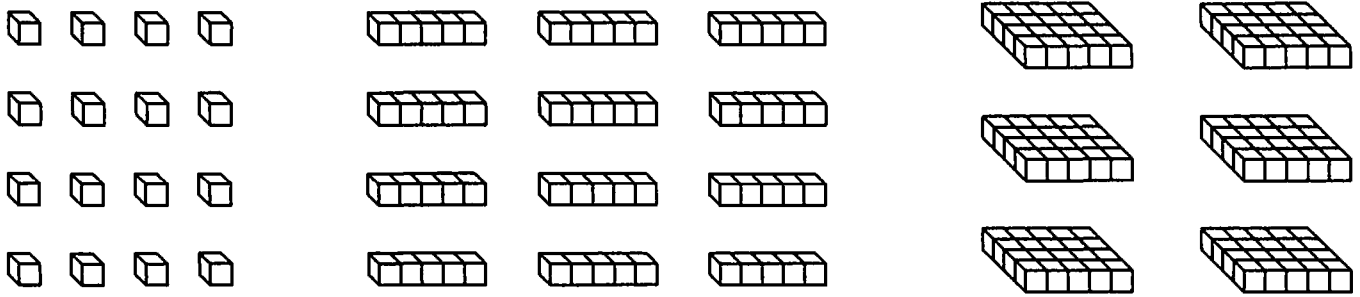
- Top Row:** A row of eight small, empty square boxes.
- Left Column (Top):** A 5x5 grid of squares.
- Left Column (Middle):** A vertical stack of five rectangular boxes.
- Left Column (Bottom):** A vertical stack of three rectangular boxes.
- Right Column (Top):** A vertical stack of three rectangular boxes.
- Right Column (Middle):** A large rectangular area divided into four horizontal sections.
- Right Column (Bottom):** A vertical stack of five horizontal lines for writing.
- Bottom Section:** A large rectangular area divided into two vertical sections.



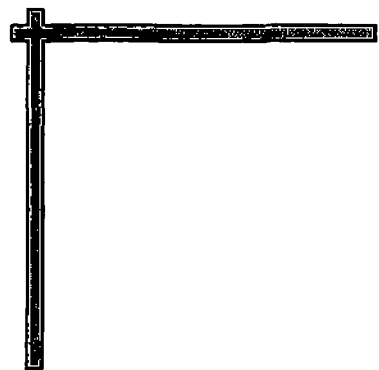
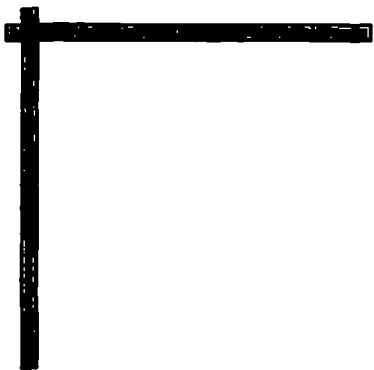
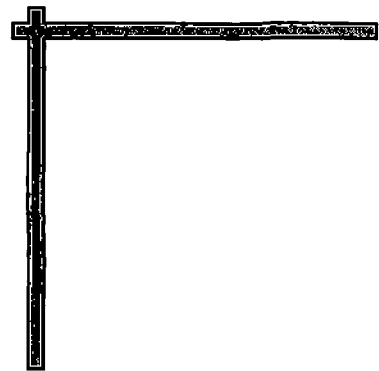
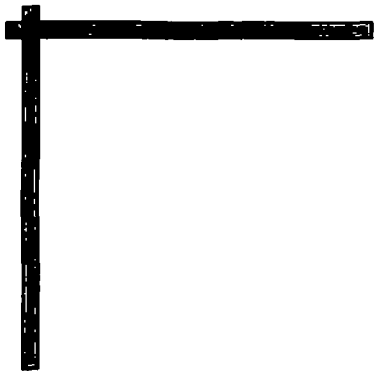
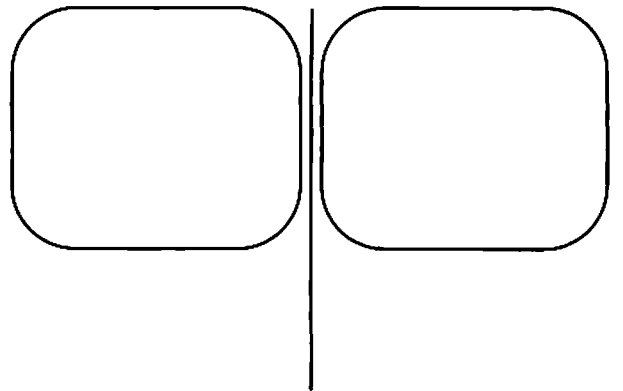
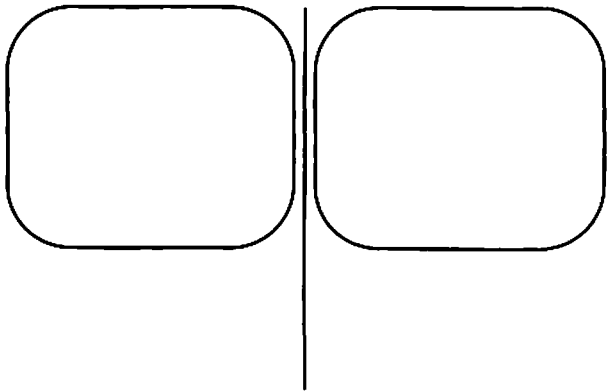
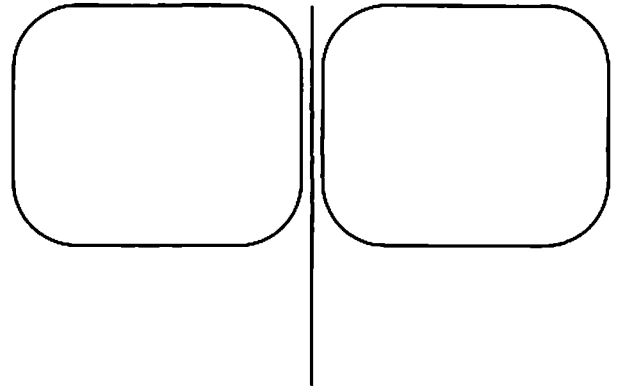
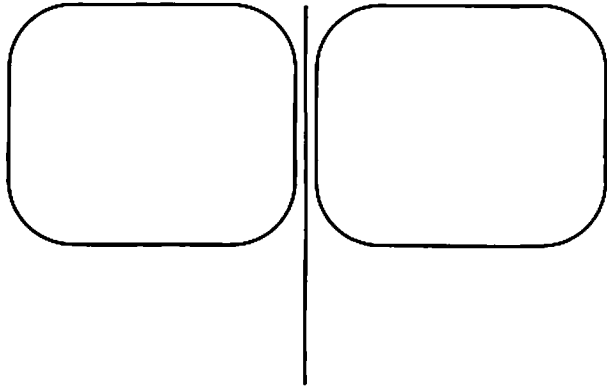
# Geoboard Dot Paper



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



# Algebra Lab Gear Clip Art: Workmats and Corner Pieces



# Algebra Lab Gear Workmat

