

# Mathematics Blackline Masters for Class IV

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For use during teaching-learning process

Student Name: \_\_\_\_\_

School: \_\_\_\_\_

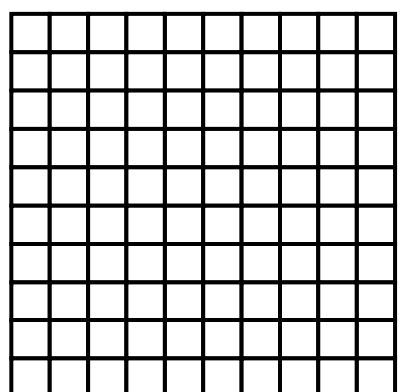
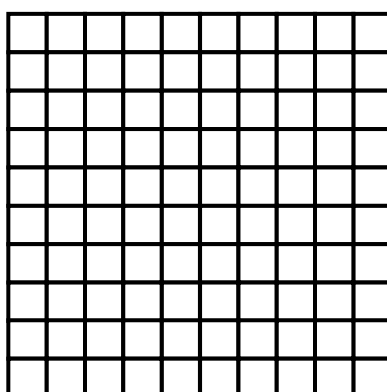
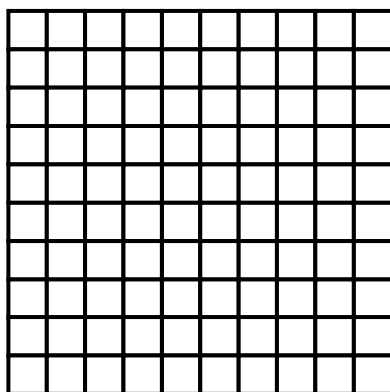
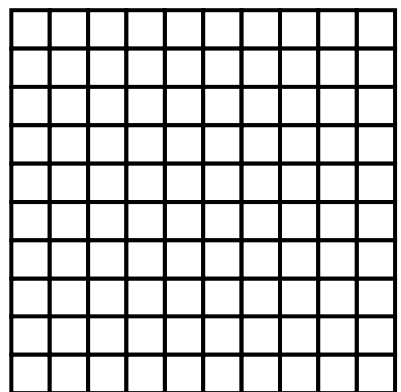
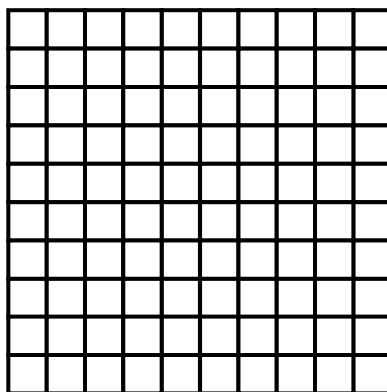
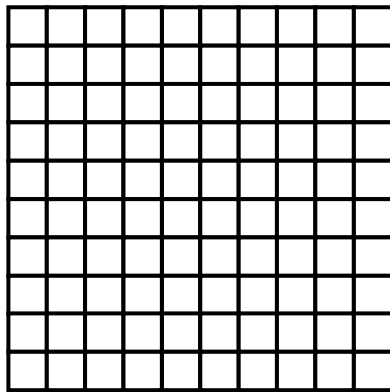
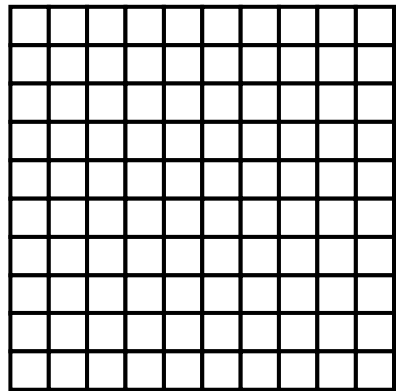
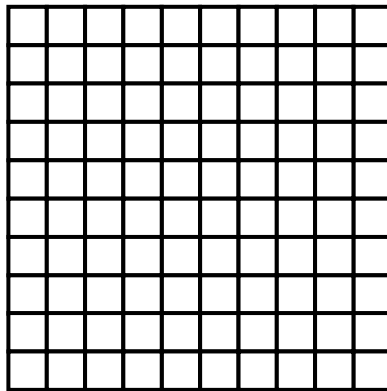
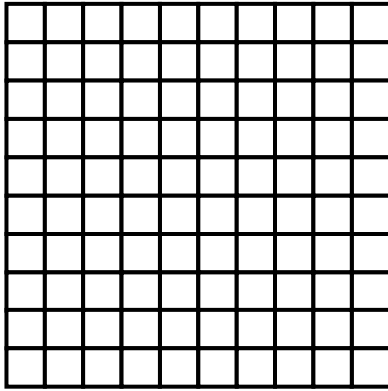


Department of School Education  
Ministry of Education and Skills Development  
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Thimphu



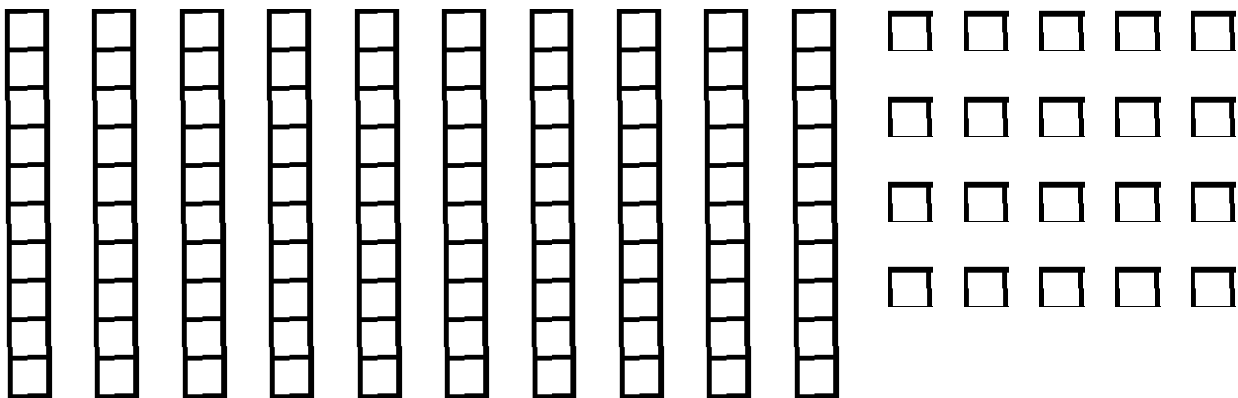
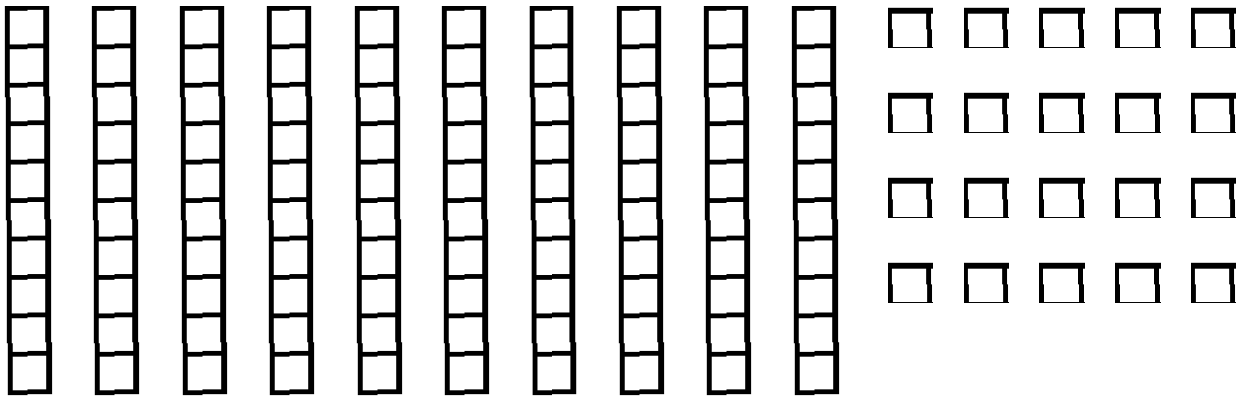
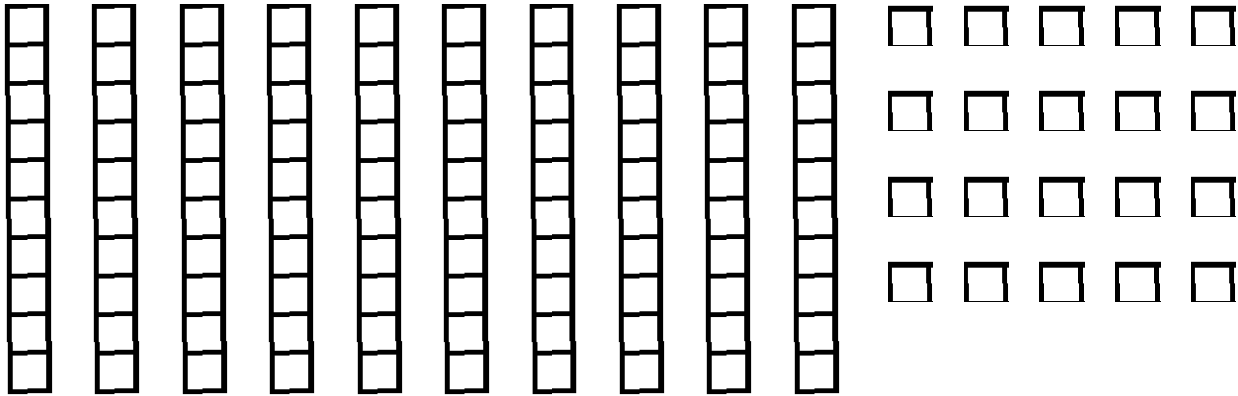
# UNIT 1 NUMERATION, ADDITION, AND SUBTRACTION

## BLM 1 A Base Ten Blocks (Hundreds Blocks)



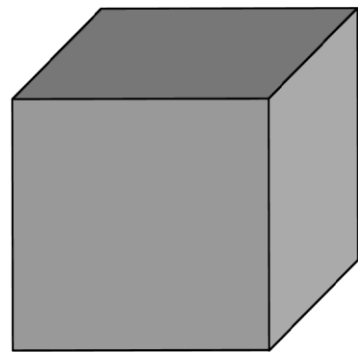
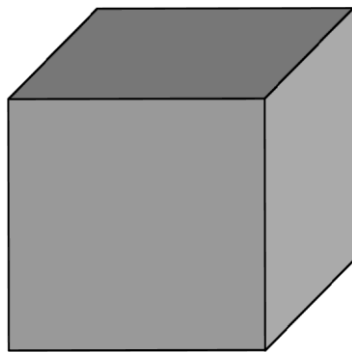
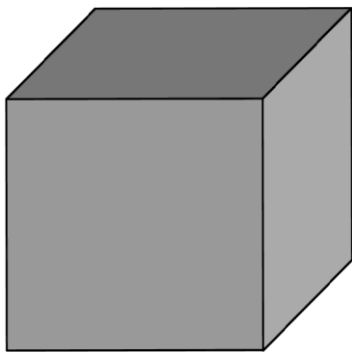
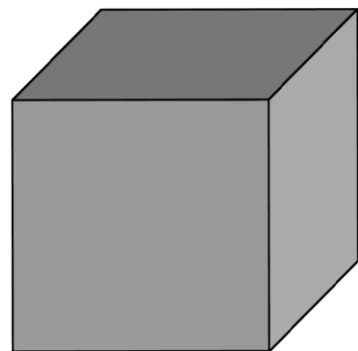
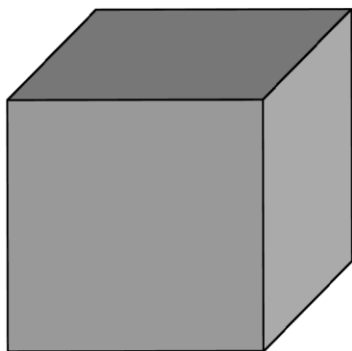
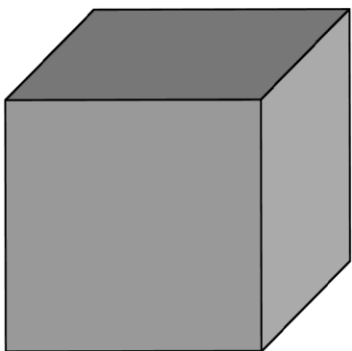
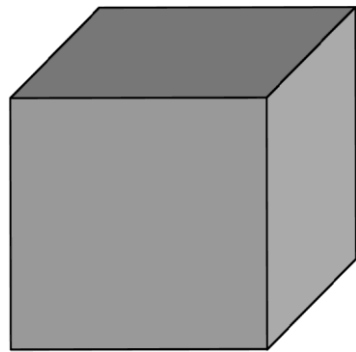
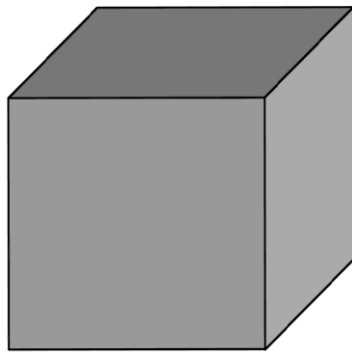
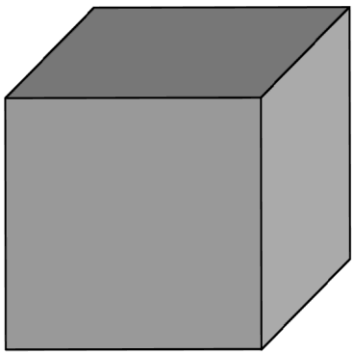
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**BLM 1B Base Ten Blocks (Tens Blocks and Ones Blocks)**



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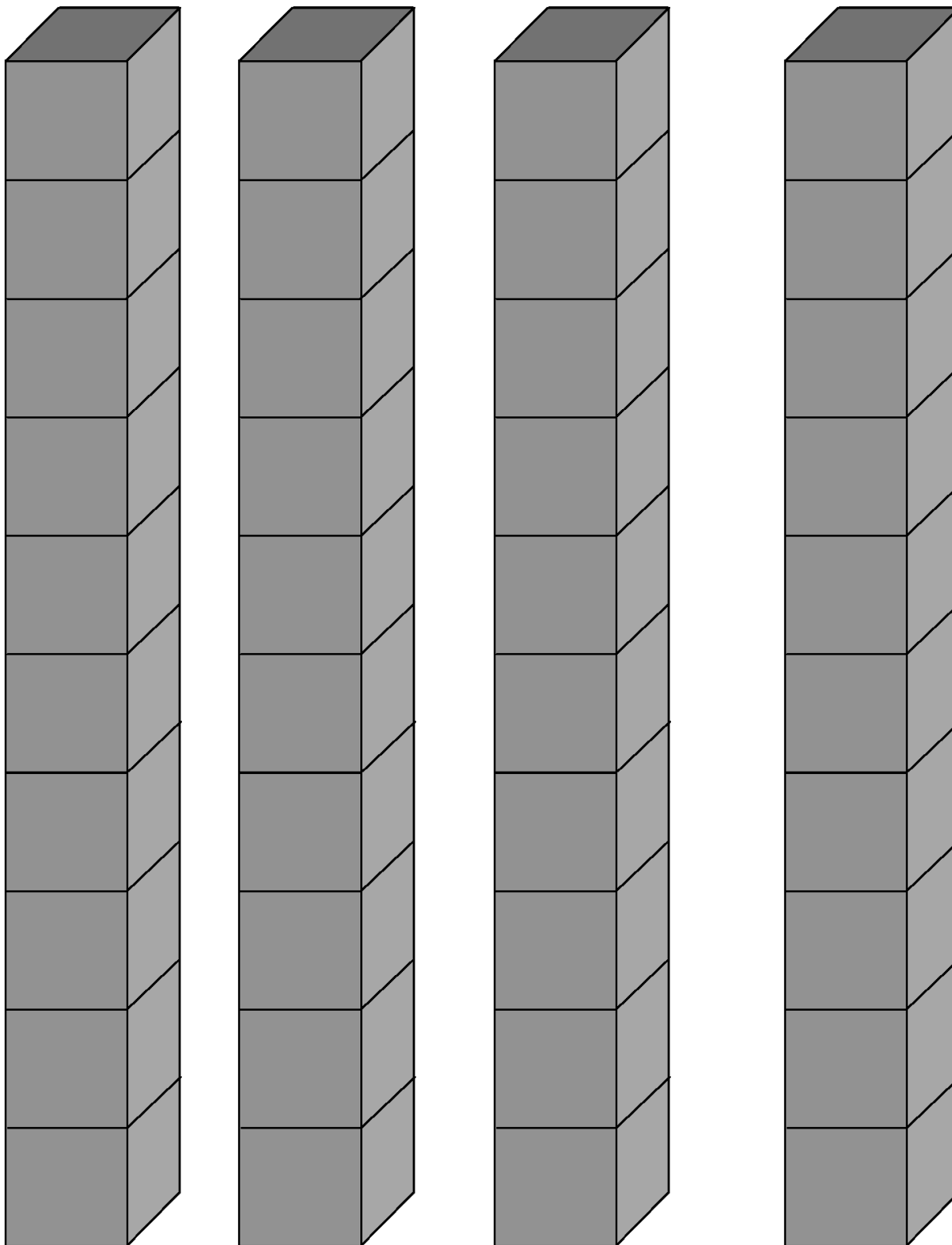
**BLM 1C Base Ten Blocks (Thousands Blocks)**



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**BLM 1D Base Ten Blocks (Ten Thousands Sticks)**



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## BLM 2 Place Value Charts I

Ten thousands	Thousands	Hundreds	Tens	Ones

Ten thousands	Thousands	Hundreds	Tens	Ones

Ten thousands	Thousands	Hundreds	Tens	Ones

Ten thousands	Thousands	Hundreds	Tens	Ones

Ten thousands	Thousands	Hundreds	Tens	Ones

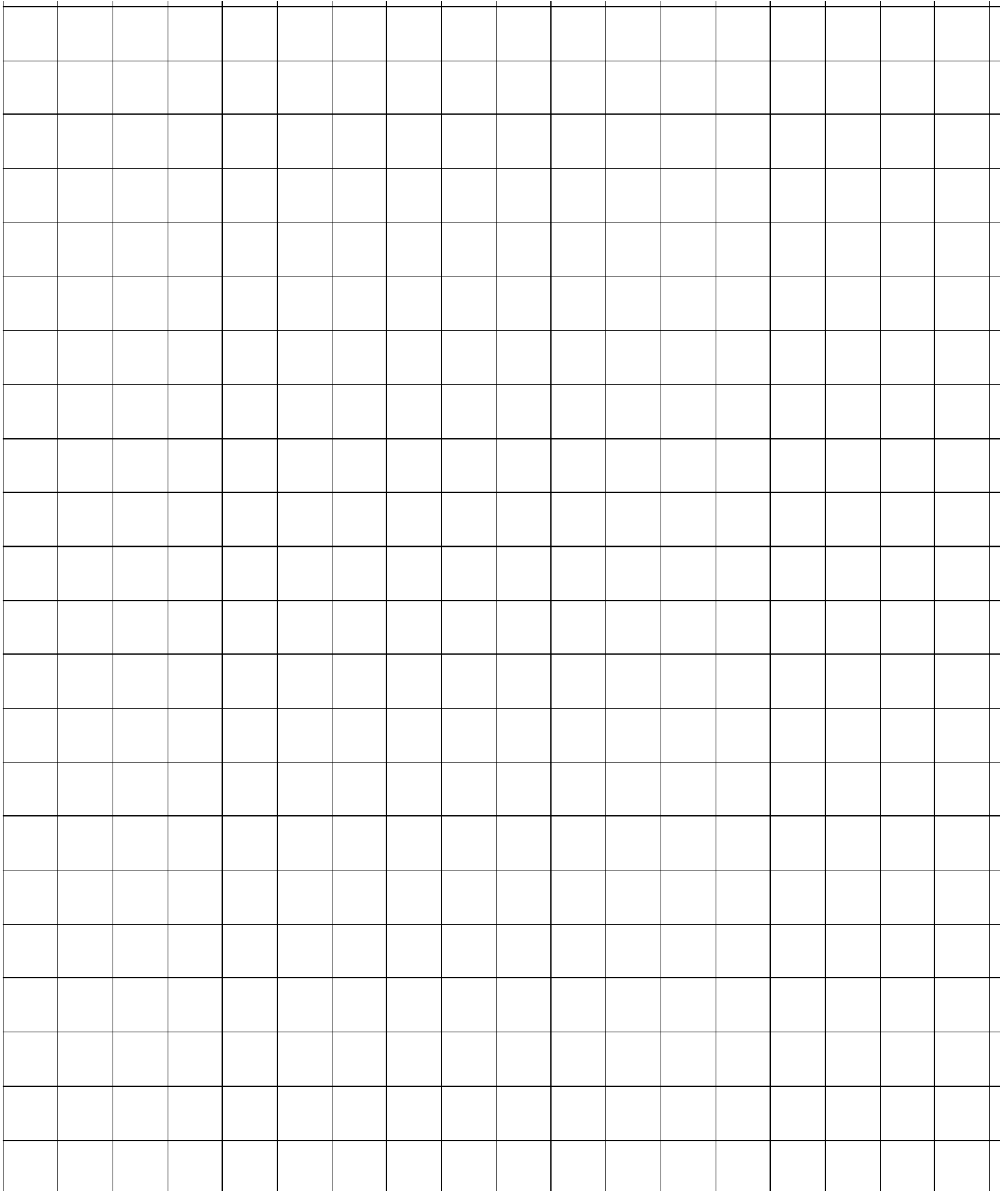
Ten thousands	Thousands	Hundreds	Tens	Ones

Ten thousands	Thousands	Hundreds	Tens	Ones

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
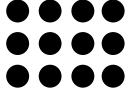
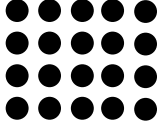
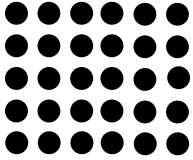
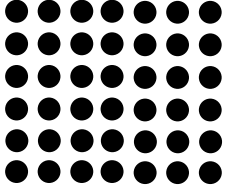
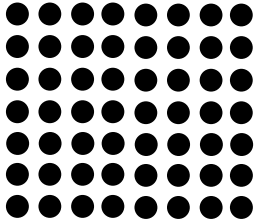
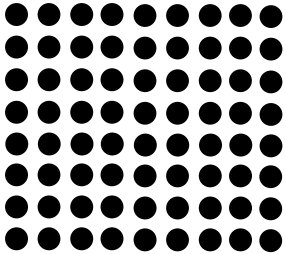


# UNIT 2 MULTIPLICATION AND DIVISION FACTS

## BLM 1 Centimetre Grid Paper



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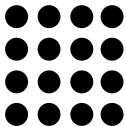
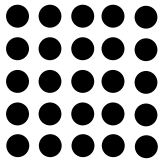
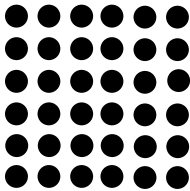
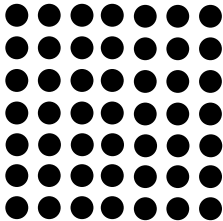
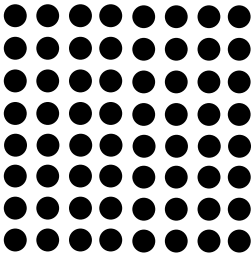
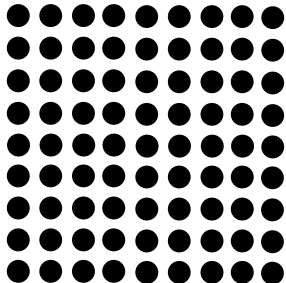
BLM 2A Array Match Game Cards

$2 \times 3 = 6$	$3 \times 4 = 12$	$4 \times 5 = 20$
		
$5 \times 6 = 30$	$6 \times 7 = 42$	$7 \times 8 = 56$
		
$8 \times 9 = 72$	$2 \times 2 = 4$	$3 \times 3 = 9$
		

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BLM 2B Array Match Game Cards (Continued)

$4 \times 4 = 16$	$5 \times 5 = 25$	$6 \times 6 = 36$
		
$7 \times 7 = 49$	$8 \times 8 = 64$	$9 \times 9 = 81$
		

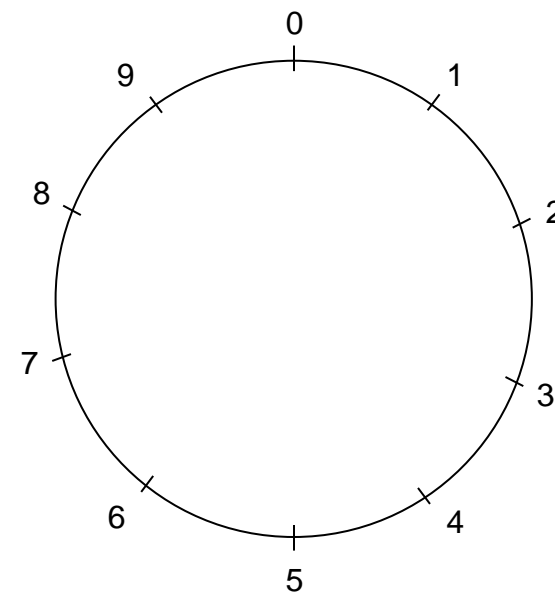
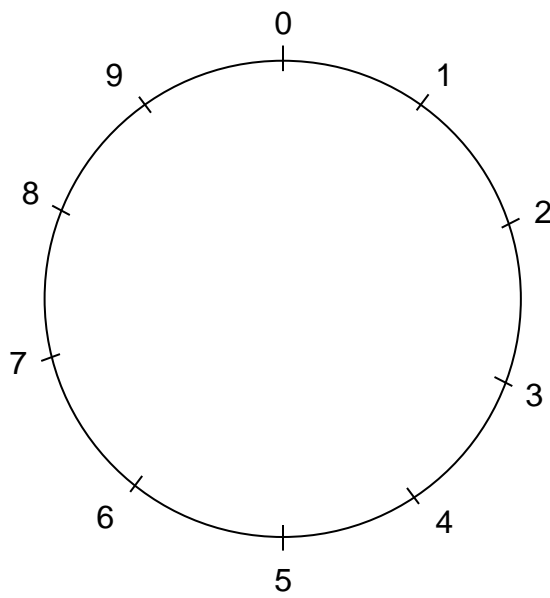
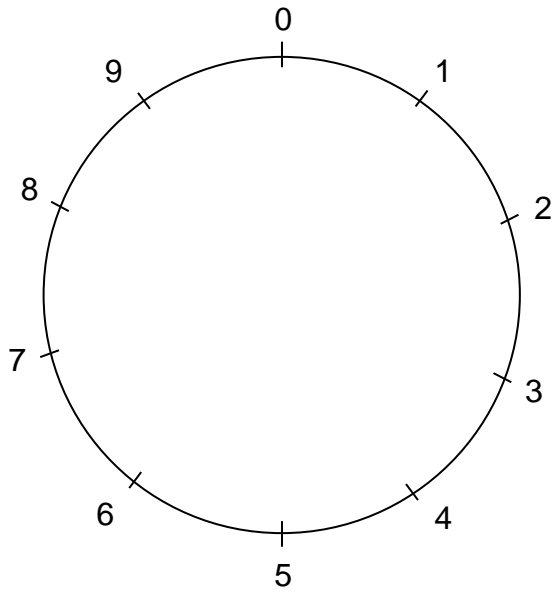
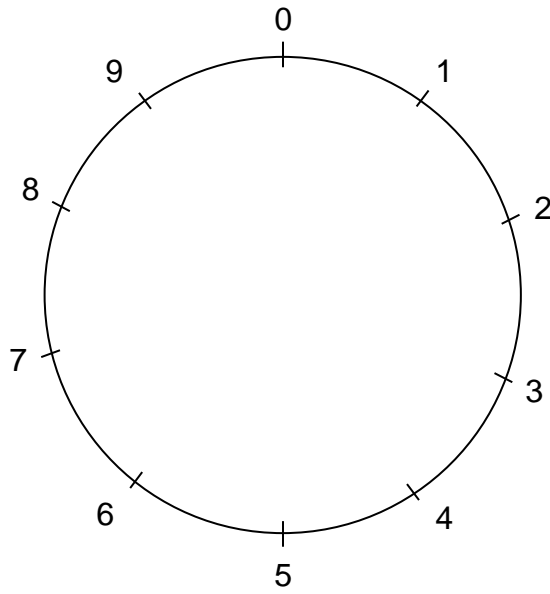
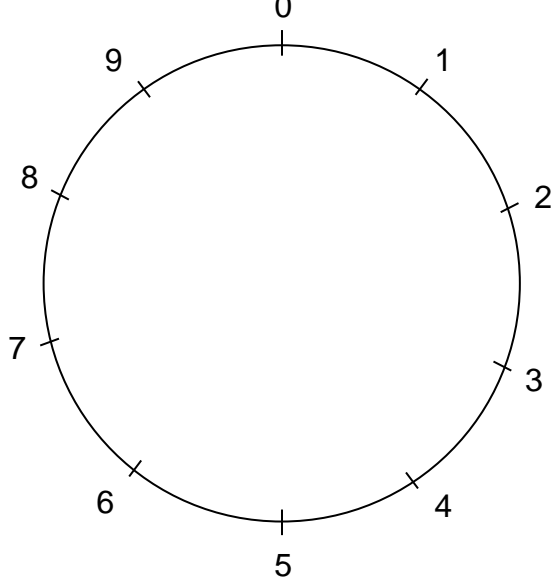
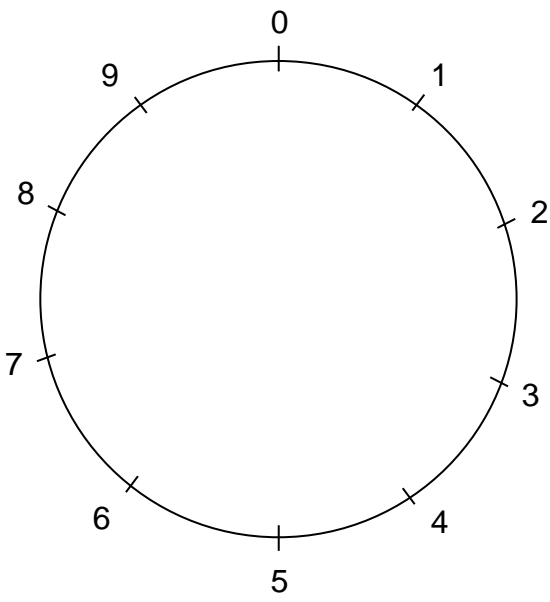
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BLM 3 Matching Doubles Game Cards

$3 \times 5$	$6 \times 5$	$4 \times 8$	$4 \times 4$
$6 \times 9$	$3 \times 9$	$8 \times 8$	$4 \times 8$
$2 \times 5$	$2 \times 10$	$2 \times 5$	$4 \times 5$
$3 \times 10$	$3 \times 5$	$3 \times 10$	$3 \times 5$
$3 \times 5$	$6 \times 5$	$4 \times 8$	$4 \times 4$
$6 \times 9$	$3 \times 9$	$8 \times 8$	$4 \times 8$
$2 \times 5$	$2 \times 10$	$2 \times 5$	$4 \times 5$

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# BLM 4 Multiplication Fact Digit Circles



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## BLM 5 Multiplication Tables

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
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5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
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4	0	4	8	12	16	20	24	28	32	36
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6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
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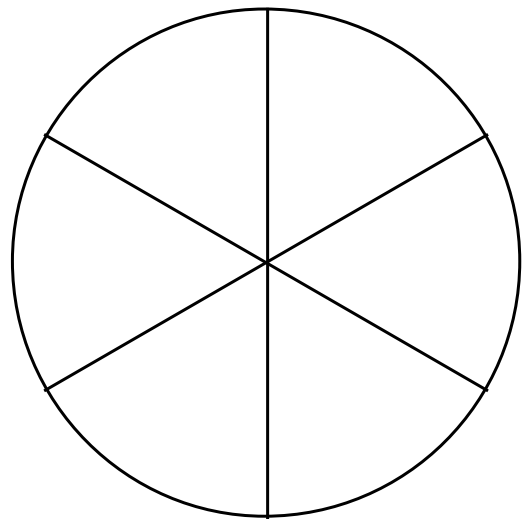
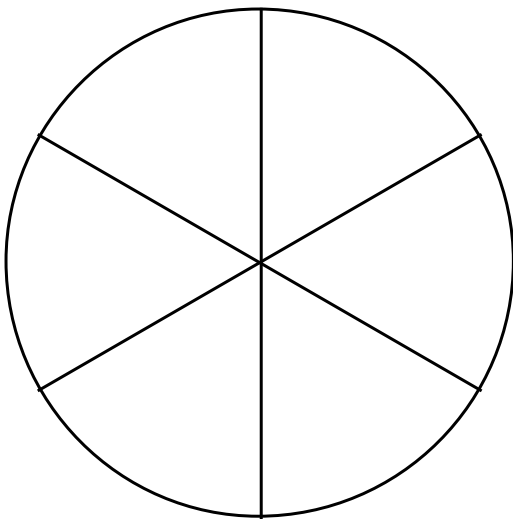
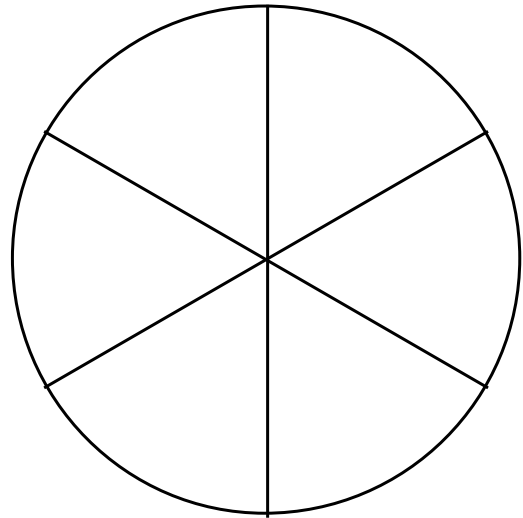
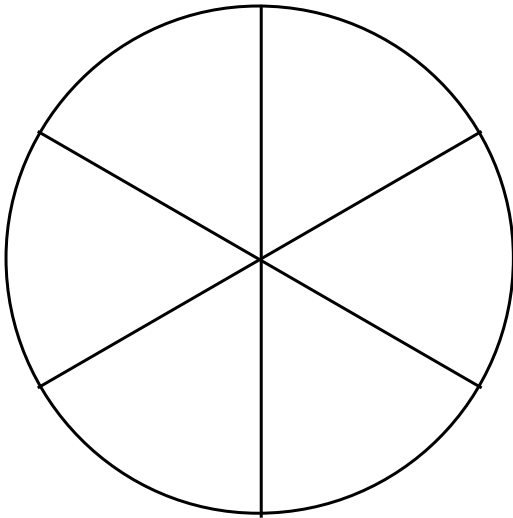
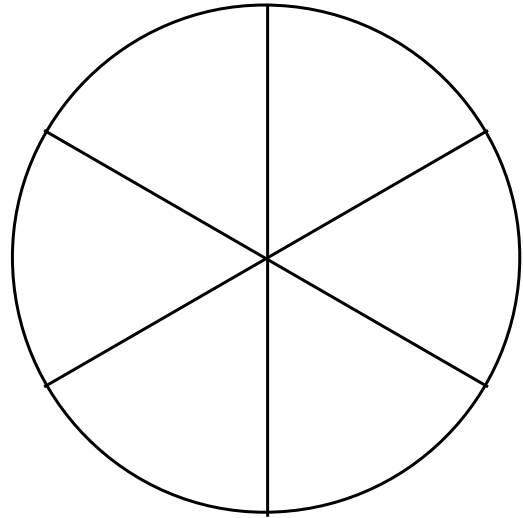
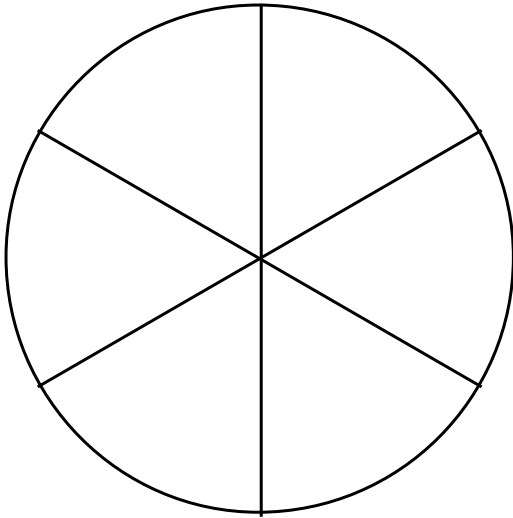
x	0	1	2	3	4	5	6	7	8	9
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4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

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# UNIT 3 MEASUREMENT

## BLM 1 Fraction Circles in Sixths (for GAME: Building Bigger Boxes)



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# UNIT 4 MULTIPLICATION AND DIVISION WITH GREATER NUMBERS

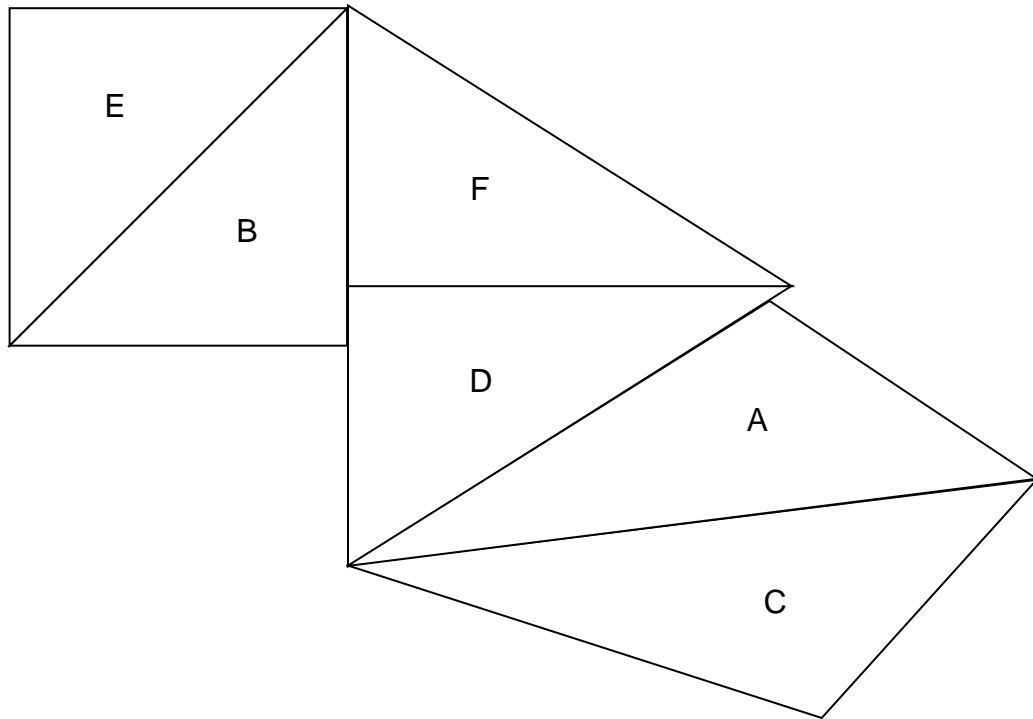
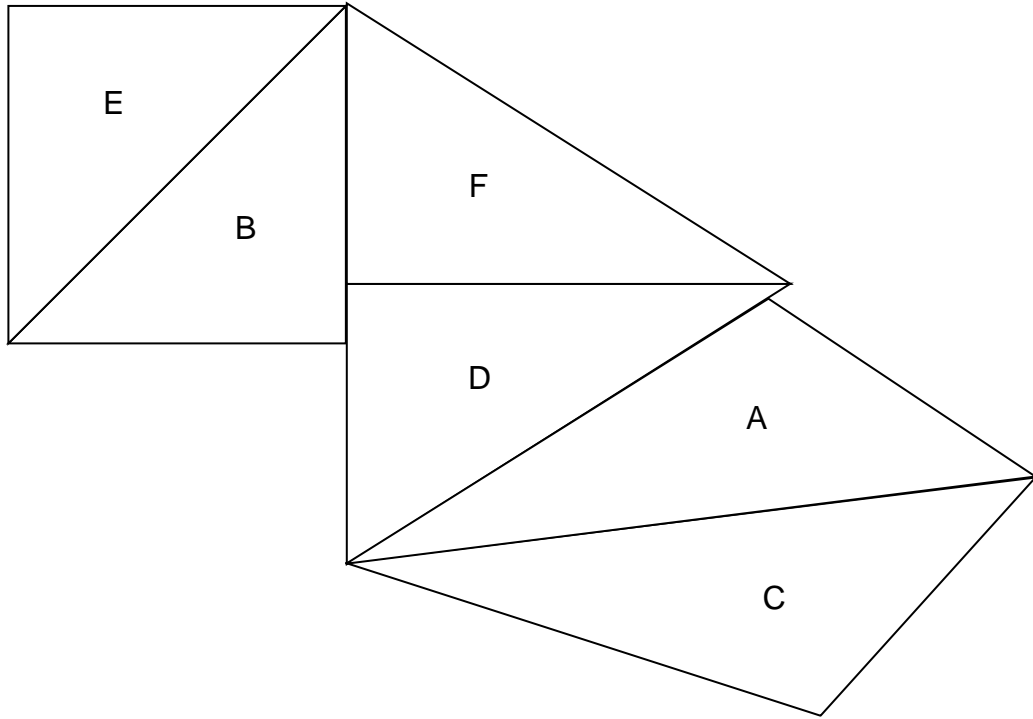
## BLM 1 Whole Number Place Value Charts

Thousands	Hundreds	Tens	Ones

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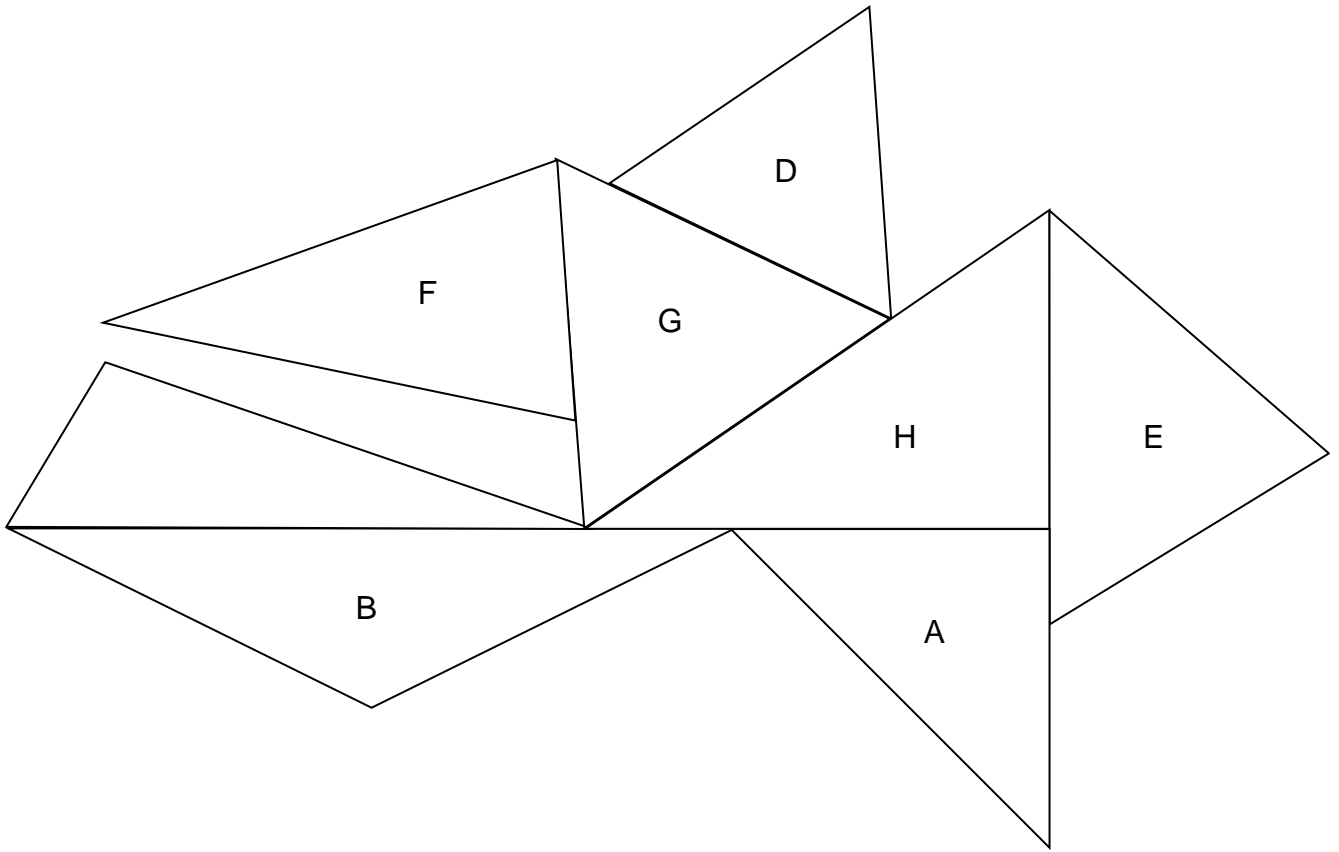
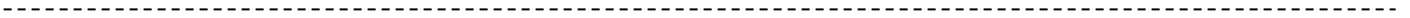
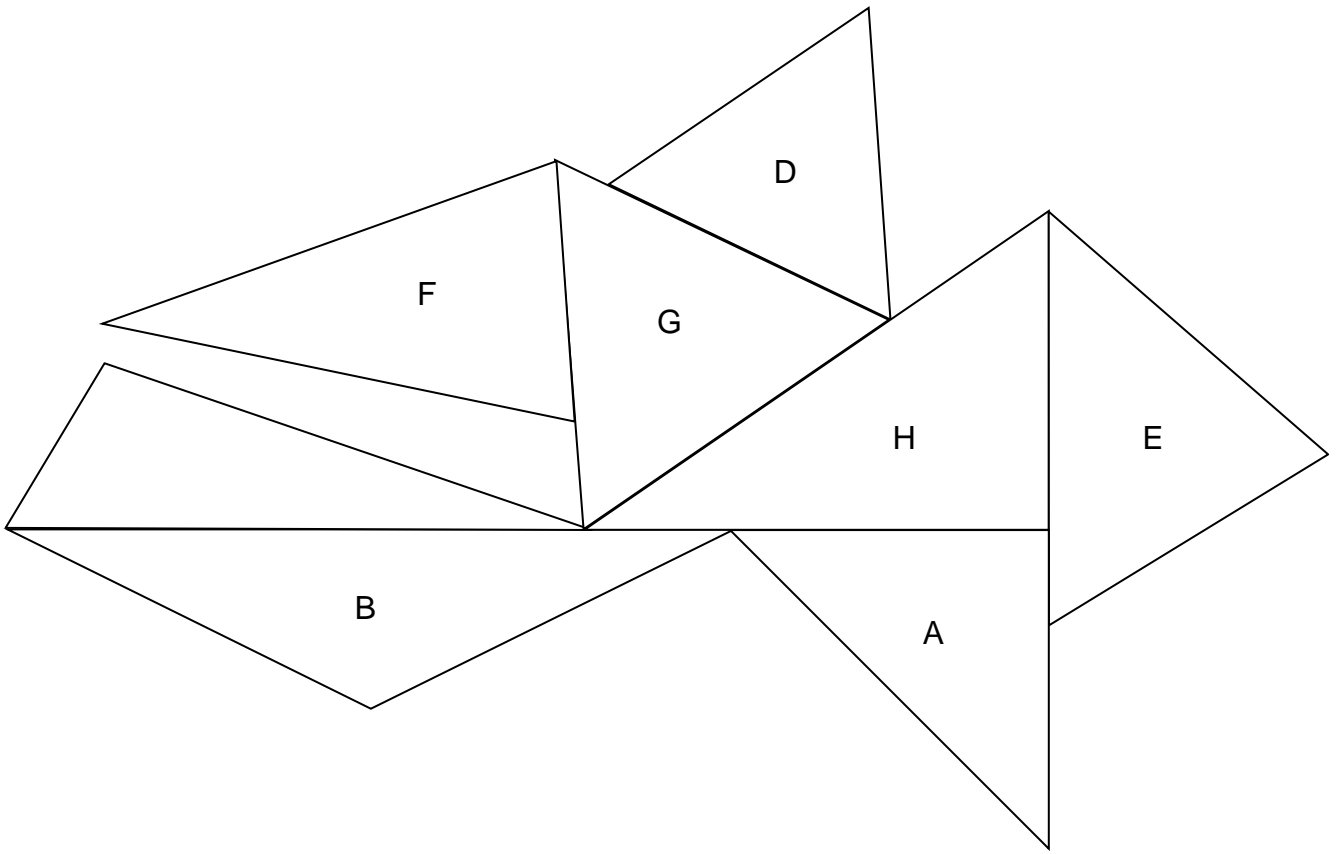
# UNIT 5 GEOMETRY

## BLM 1 Getting Started Triangles



## BLM 2 Sorting Triangles

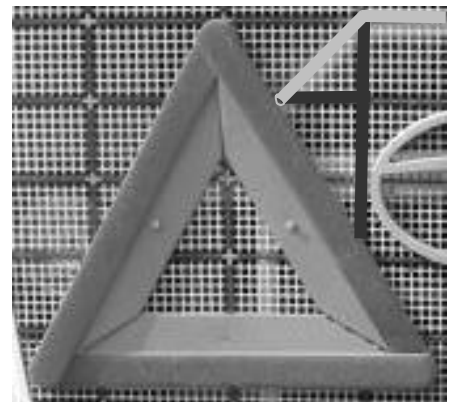
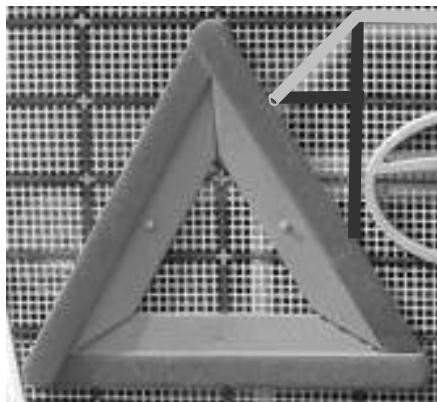
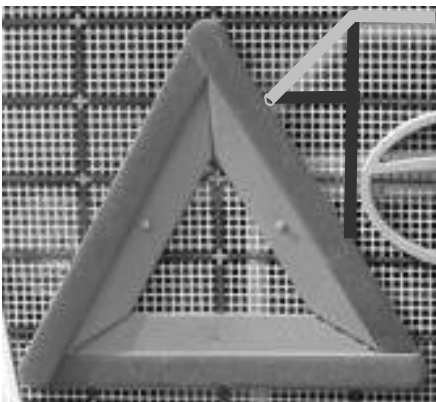
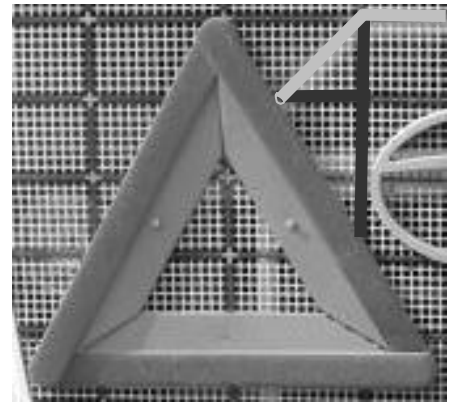
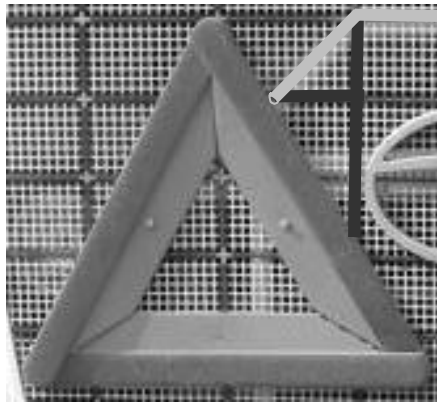
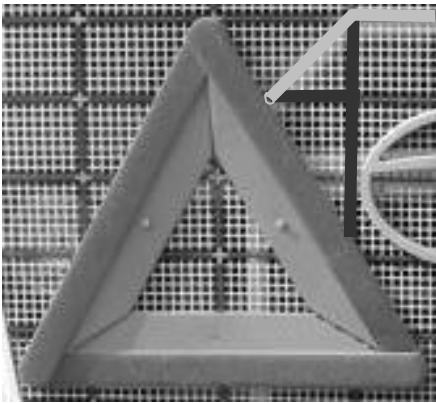
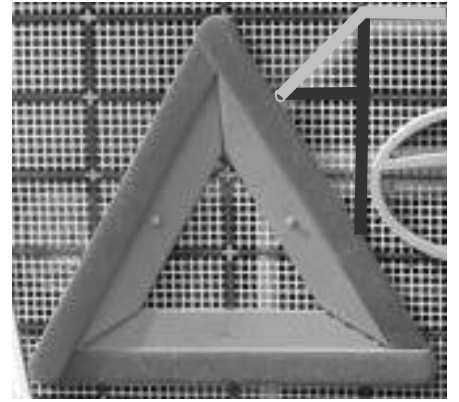
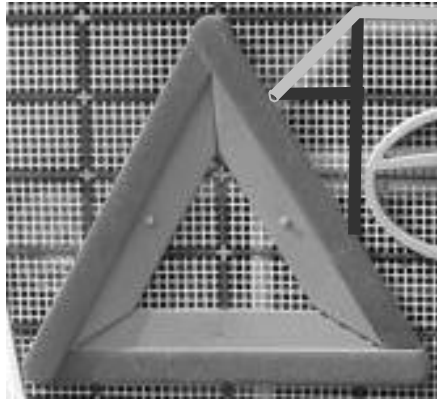
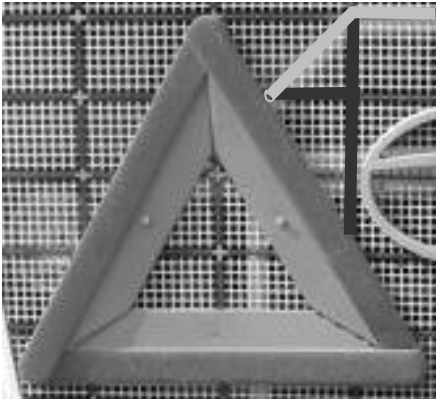
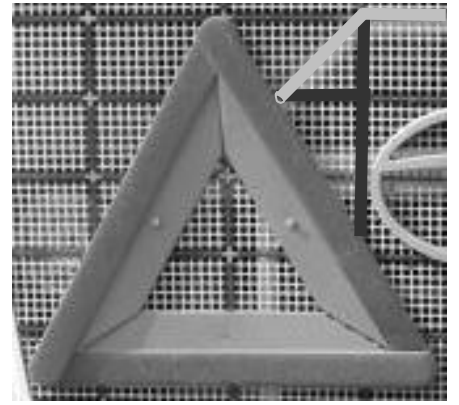
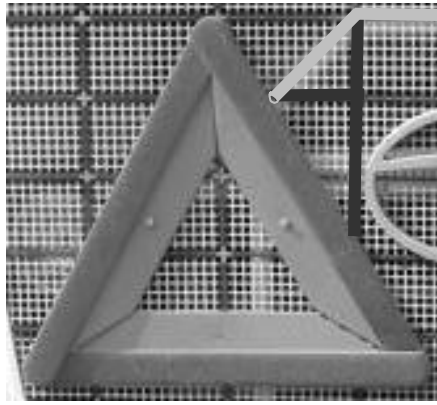
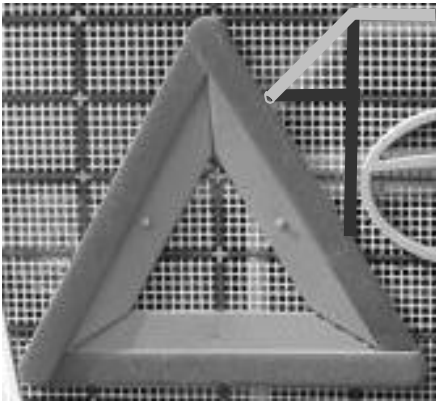
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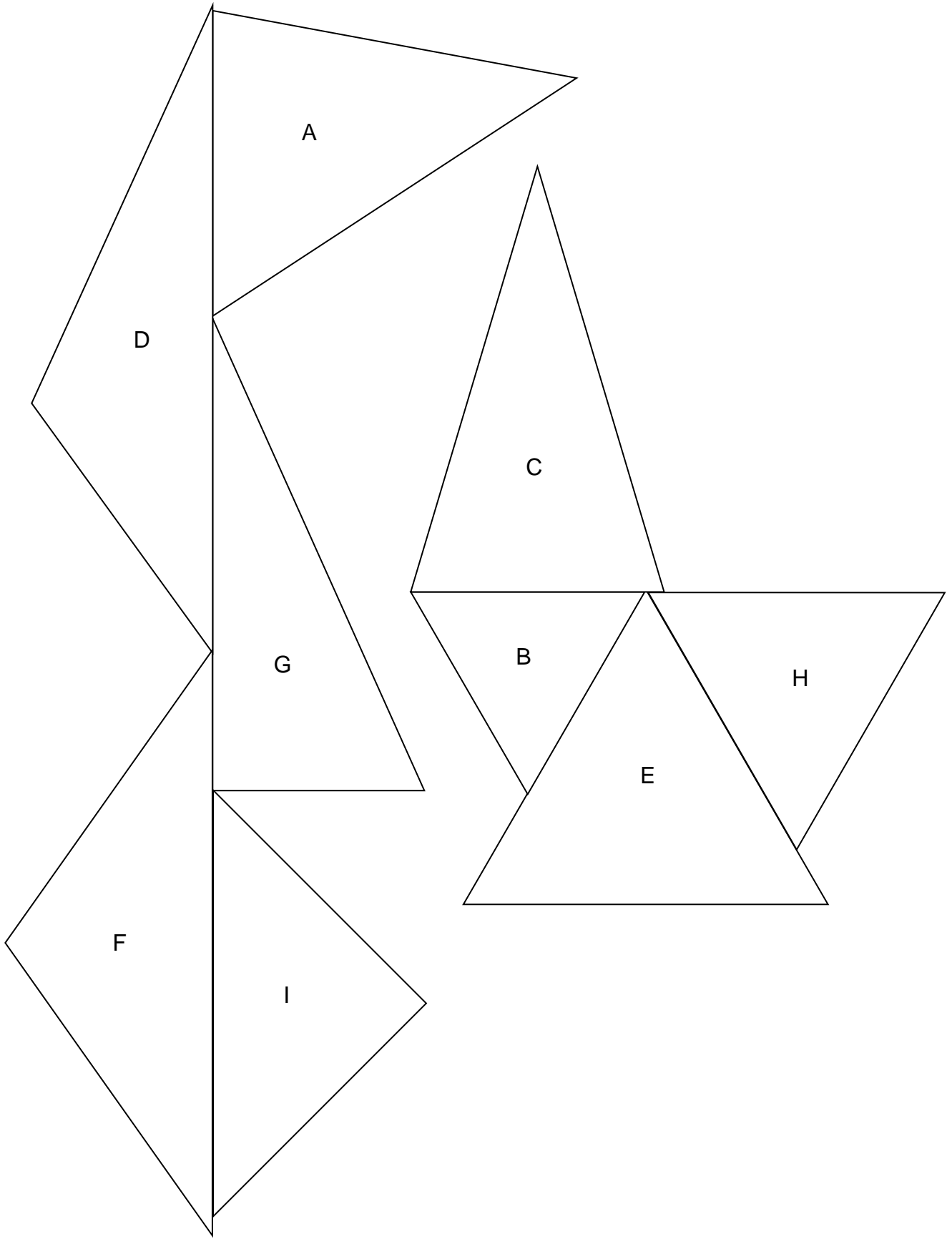


### BLM 3 Triangle Types



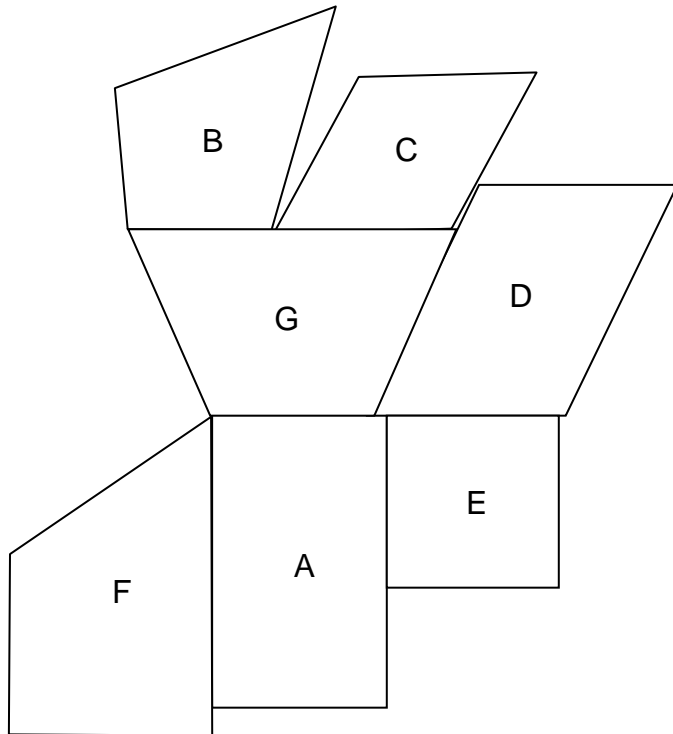
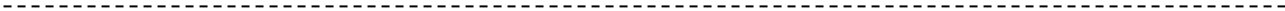
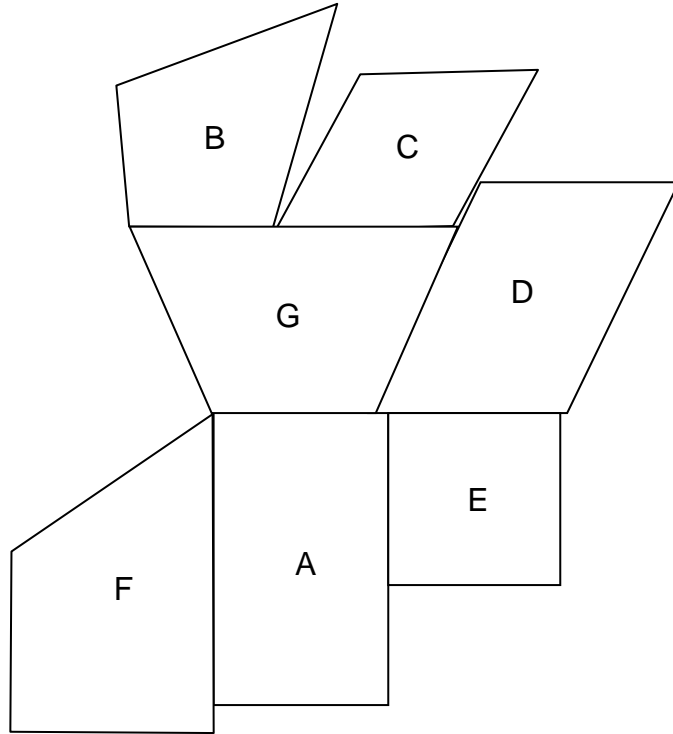
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# BLM 4 Properties of Triangles



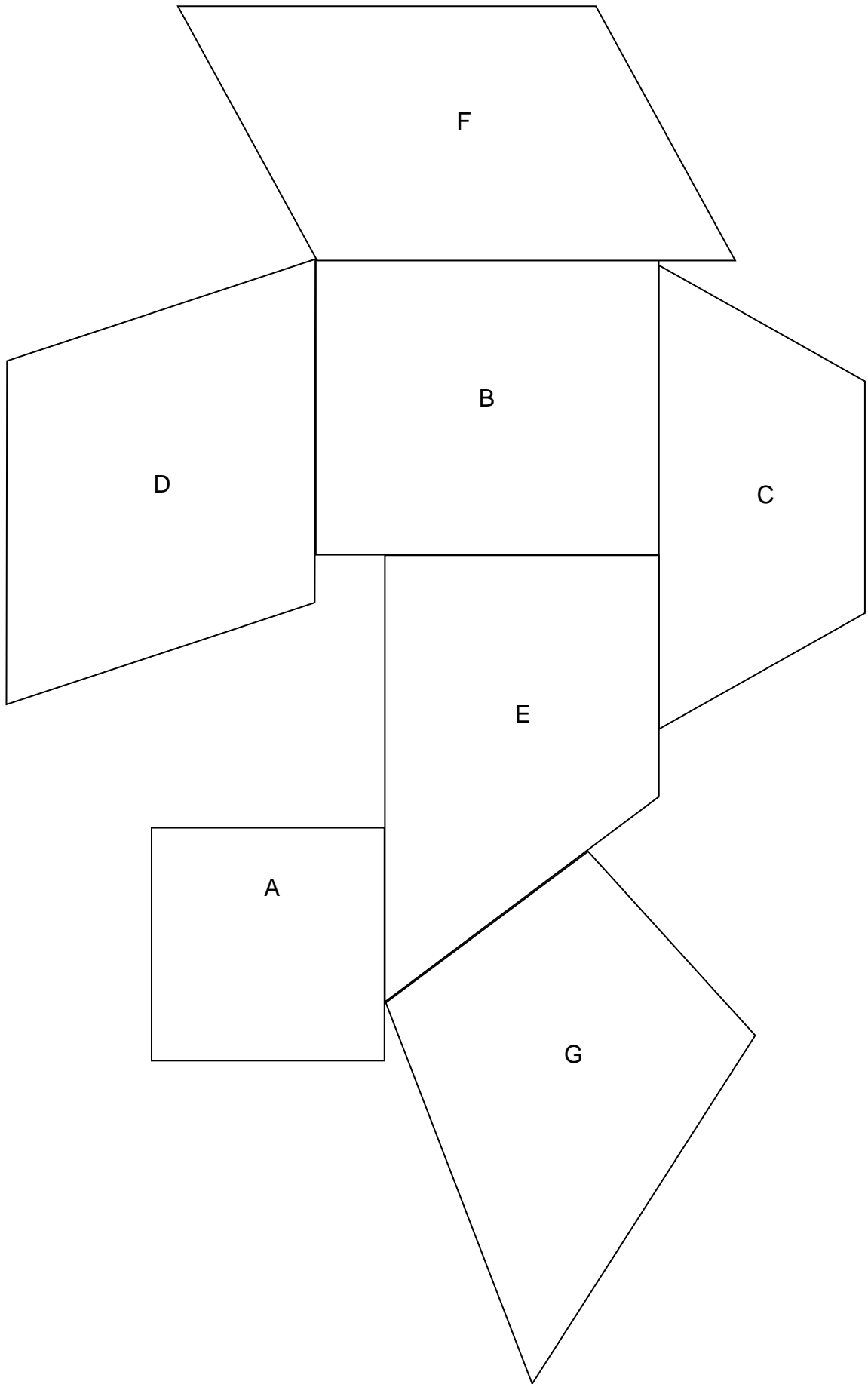
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# BLM 5 Sorting Quadrilaterals



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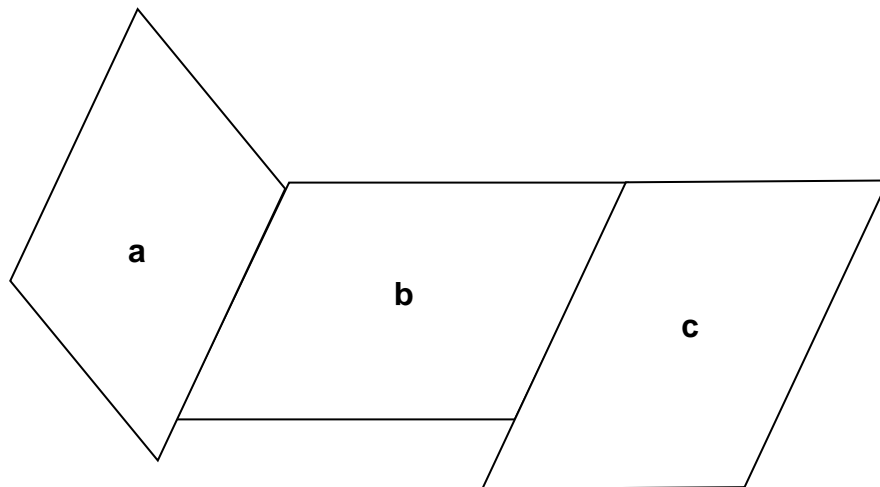
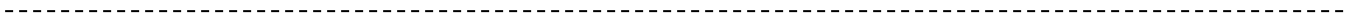
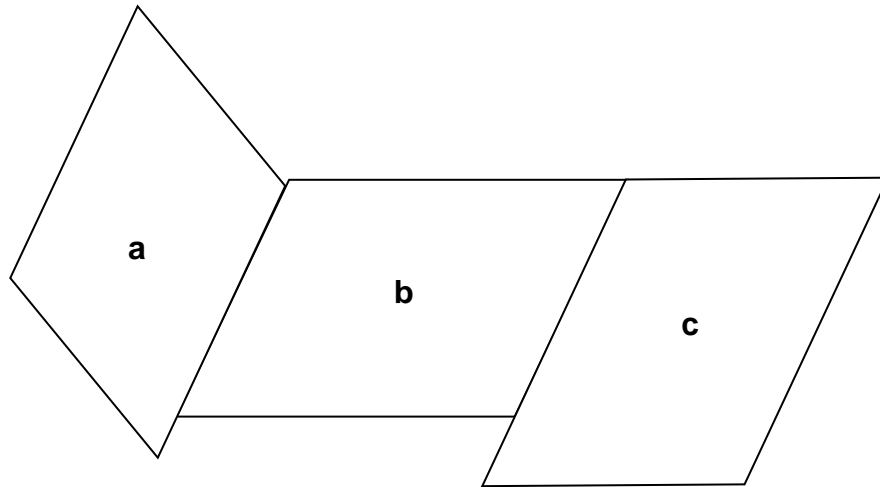
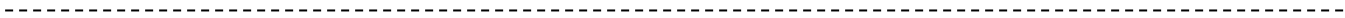
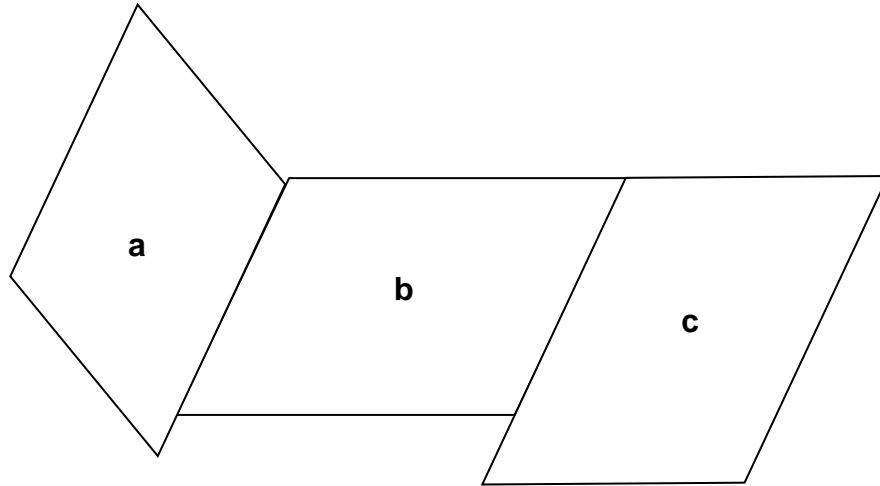
# BLM 6 Diagonals and Symmetry



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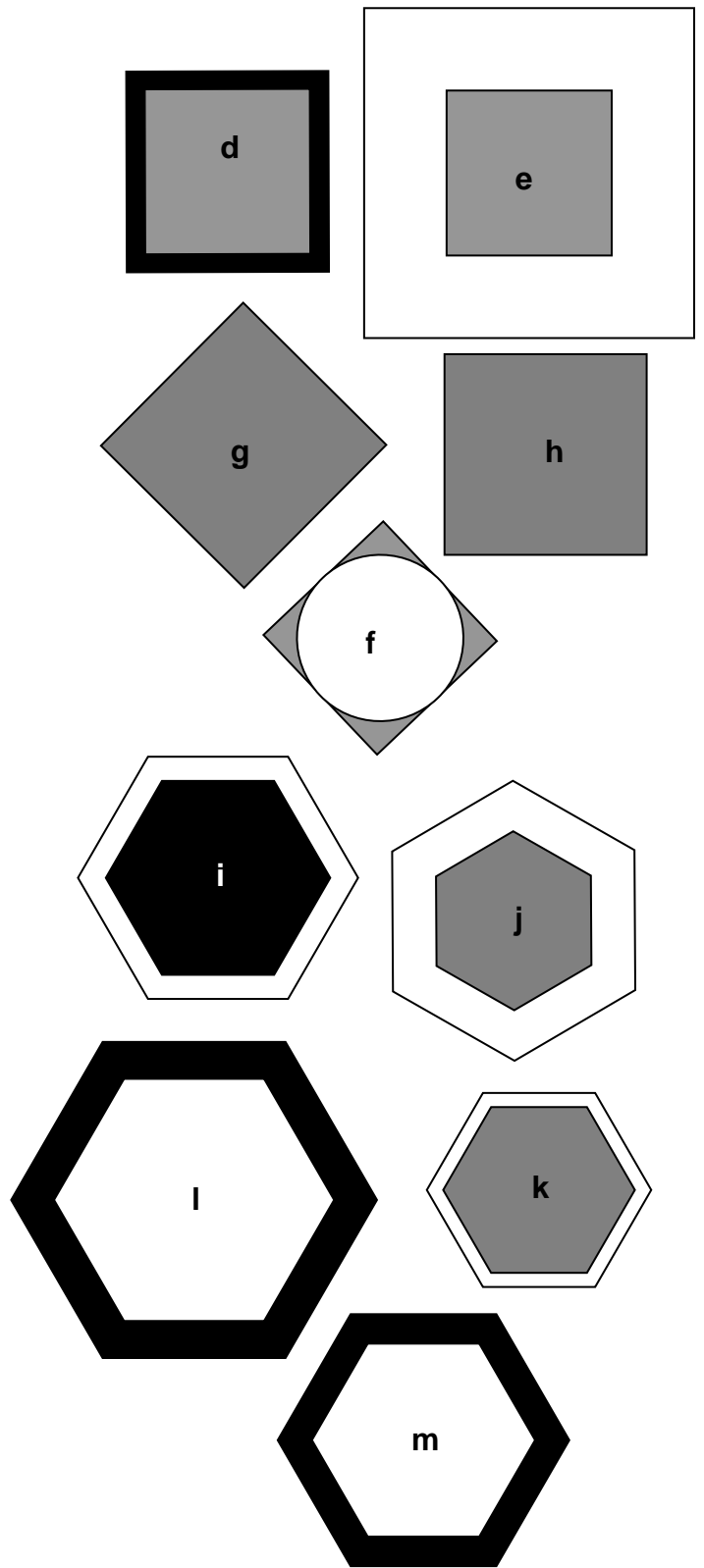
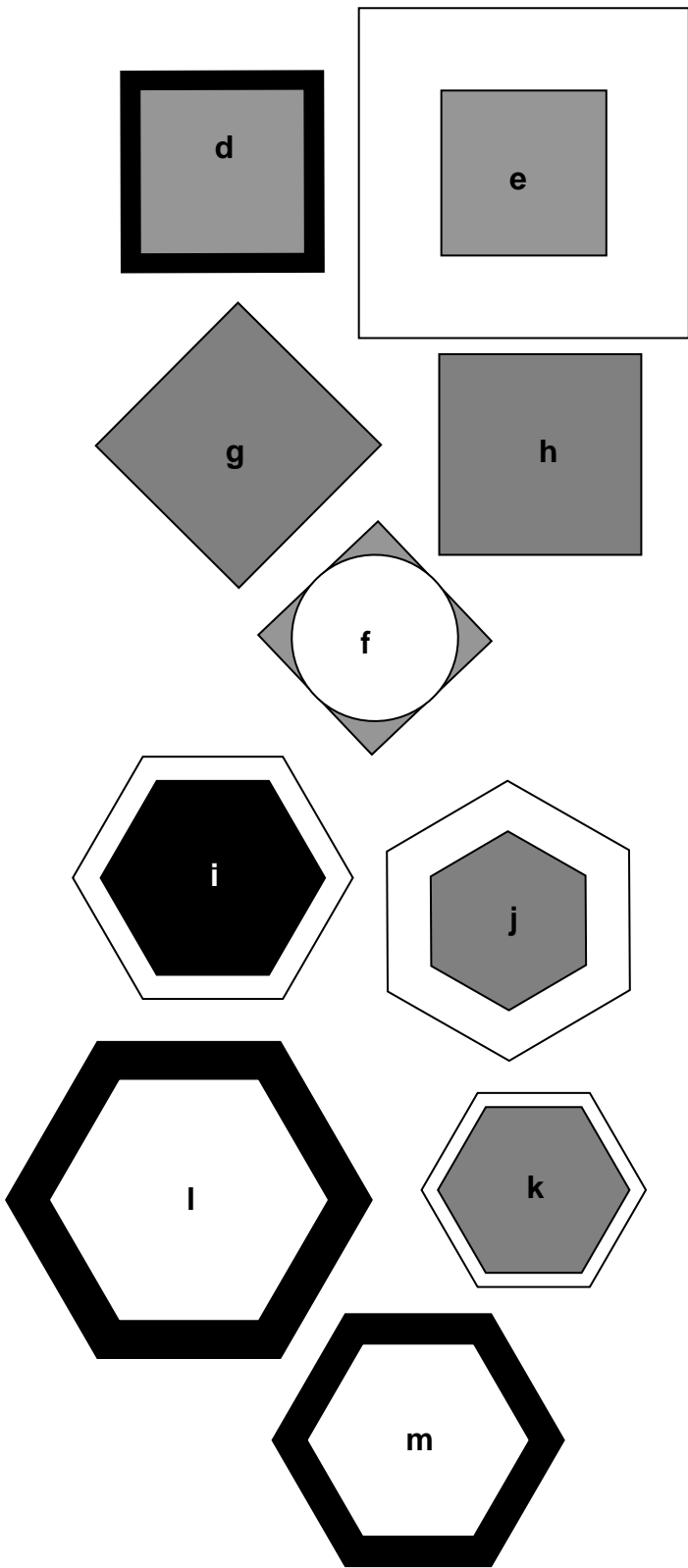


# BLM 7 Congruent Polygons



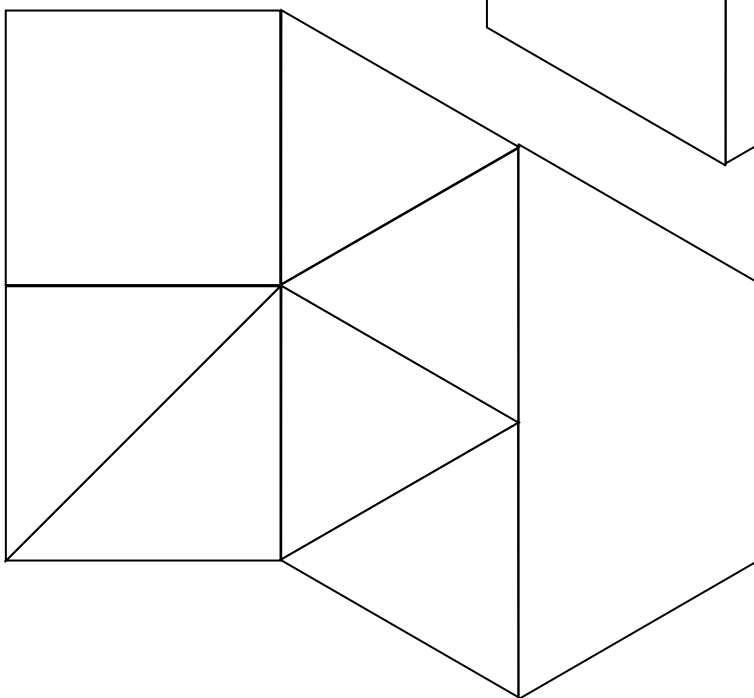
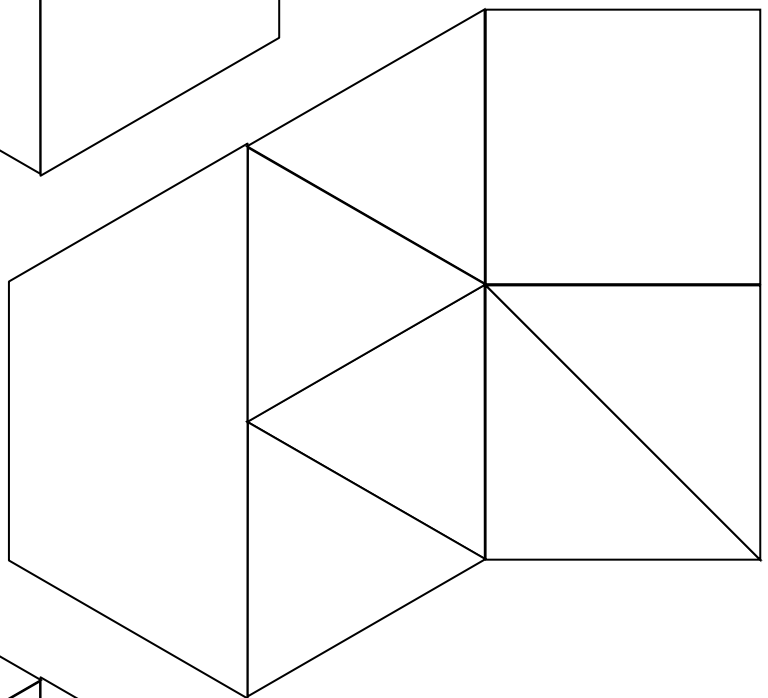
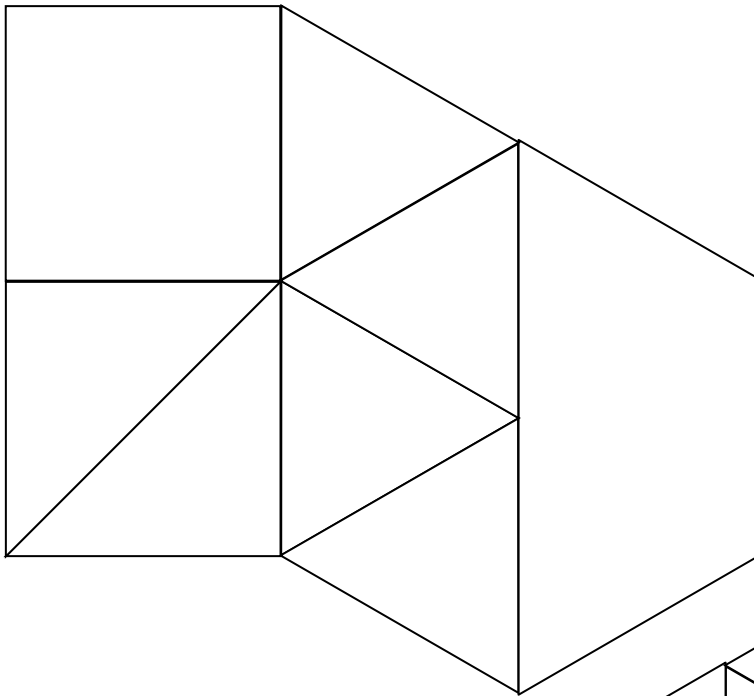
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**BLM 8 Optical Illusions**



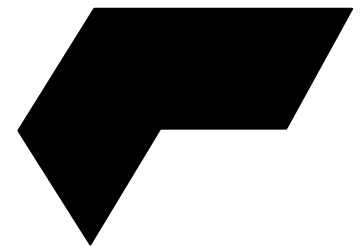
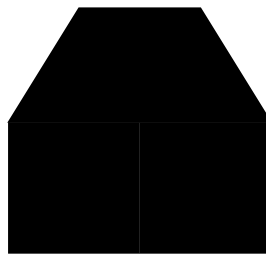
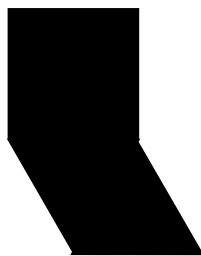
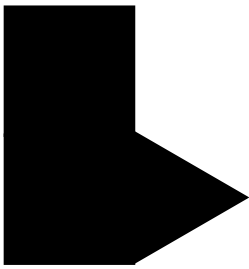
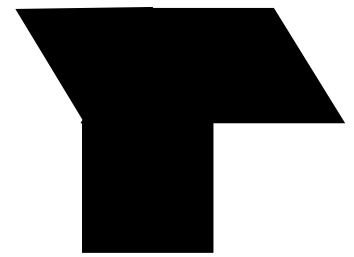
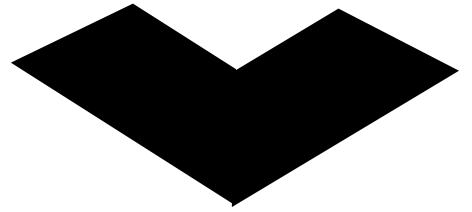
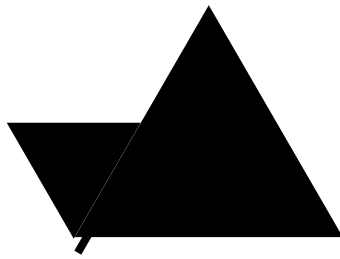
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# BLM 9 Combining Polygons



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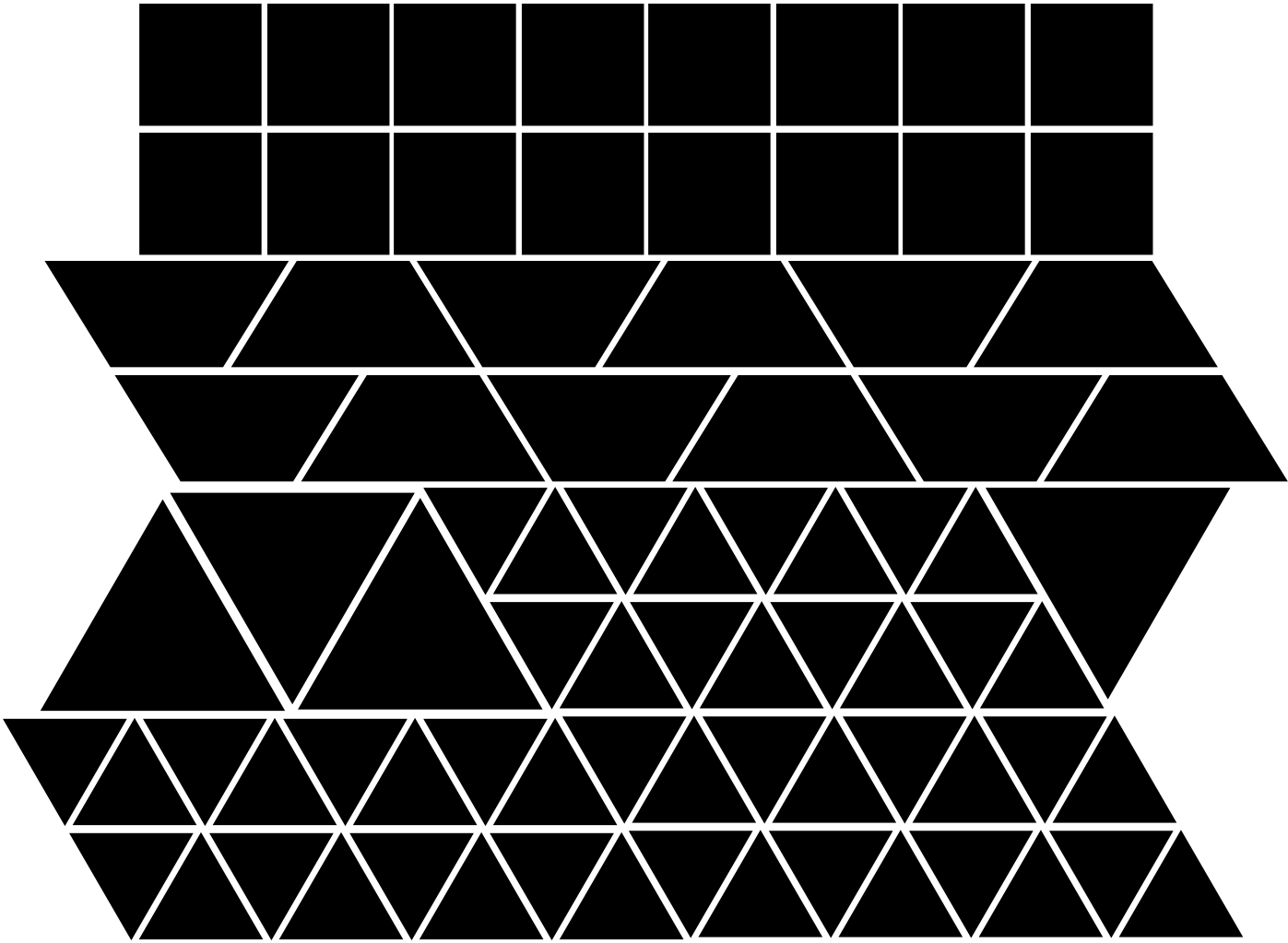
BLM 10A Puzzle Cards



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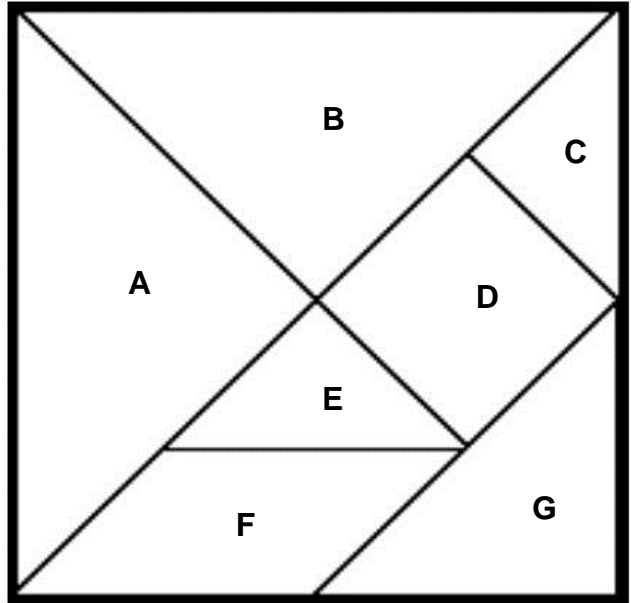
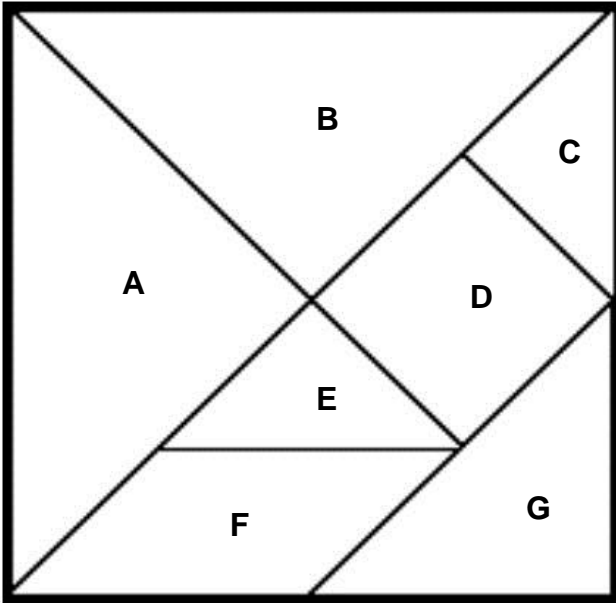
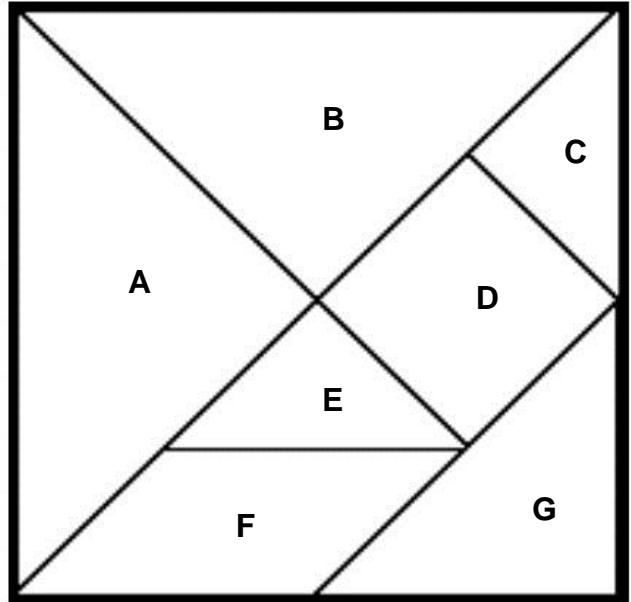
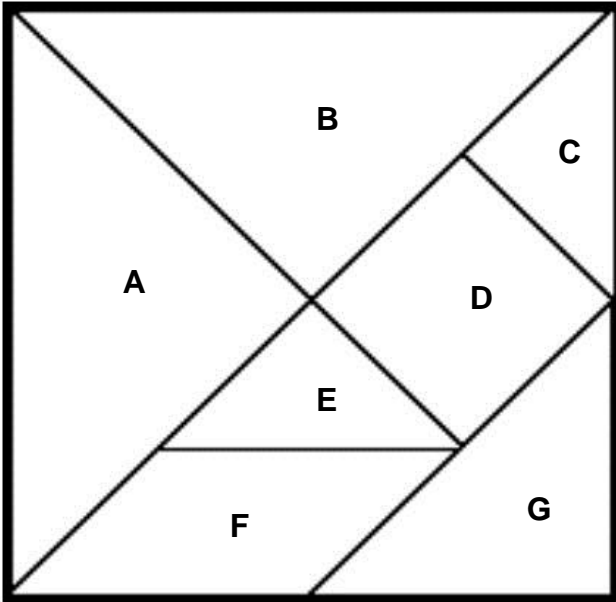
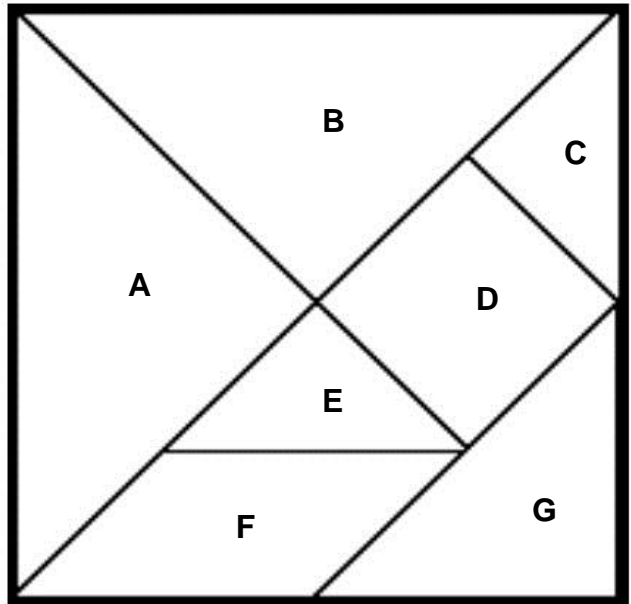
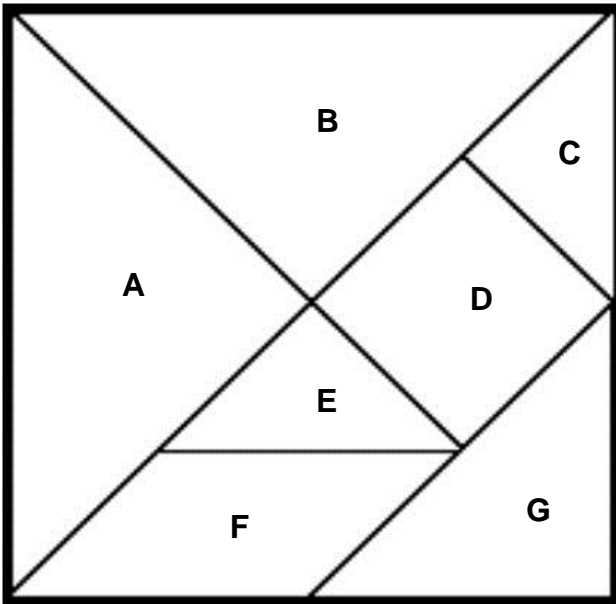


BLM 10B Puzzle Shapes



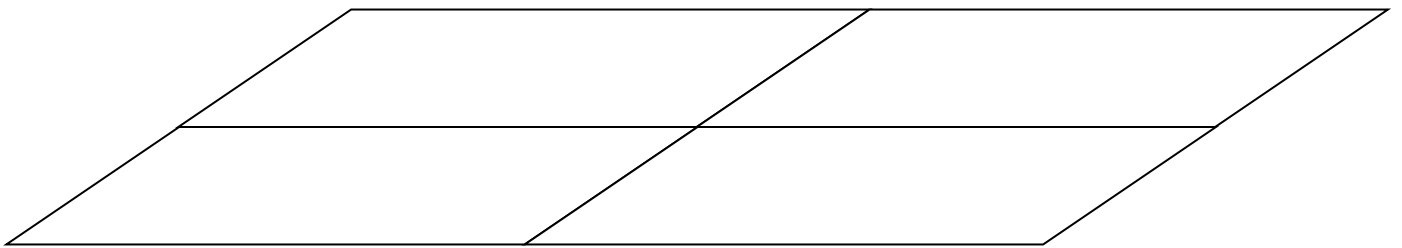
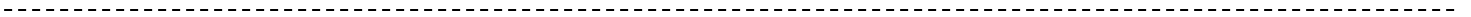
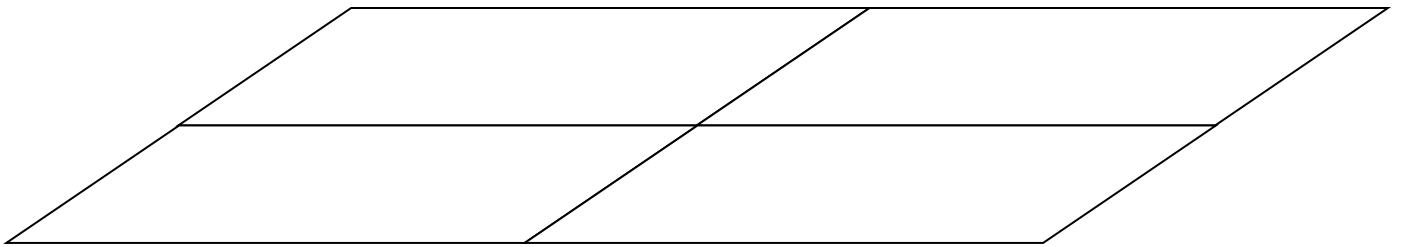
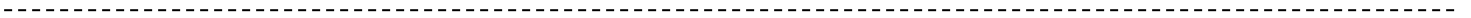
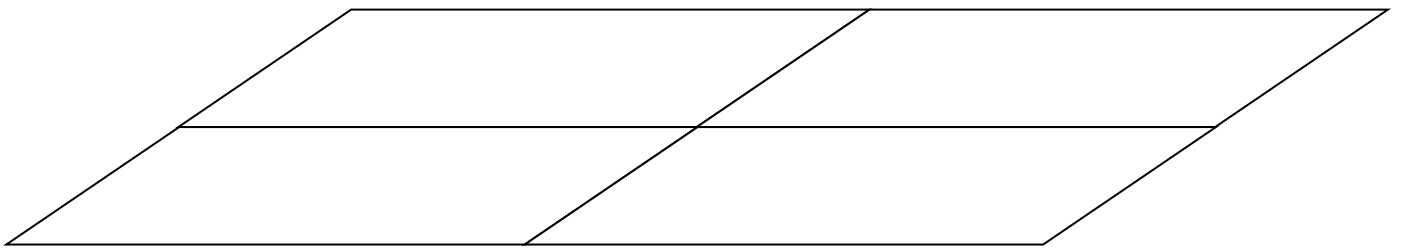
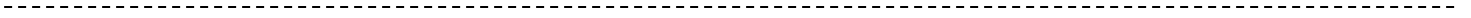
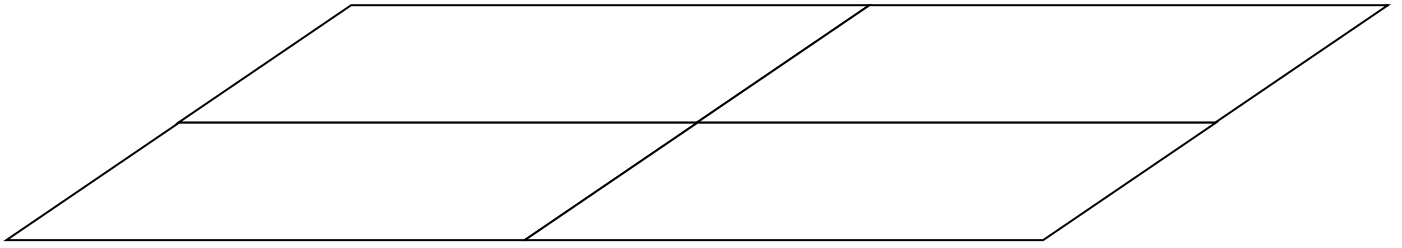
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BLM 11 Tangrams



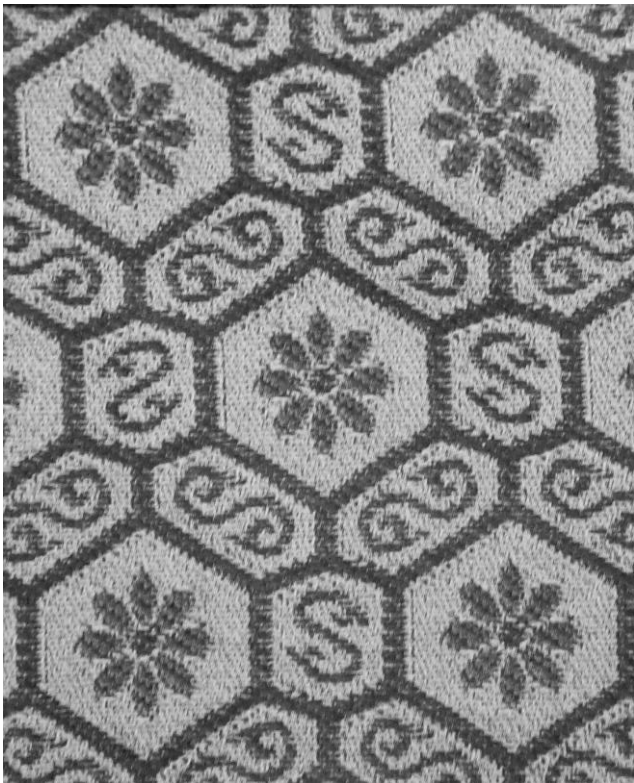
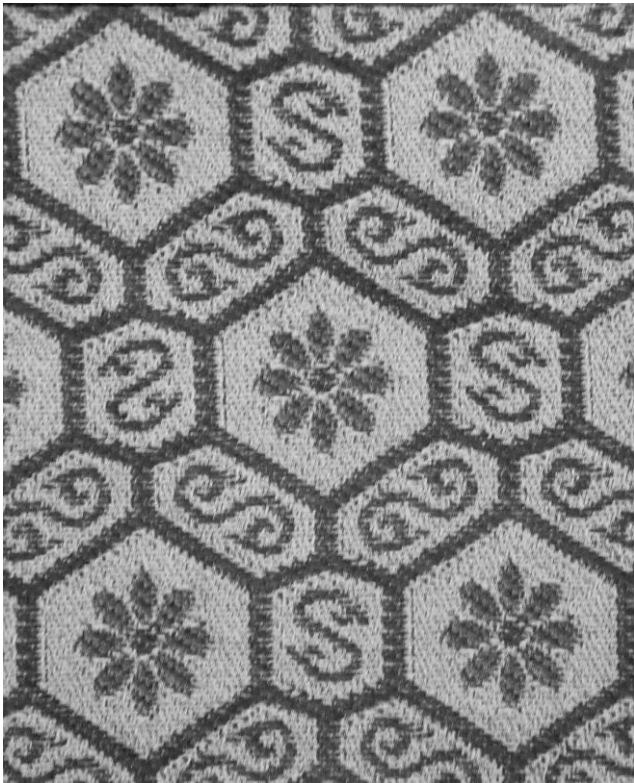
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# BLM 12 Slides and Flips



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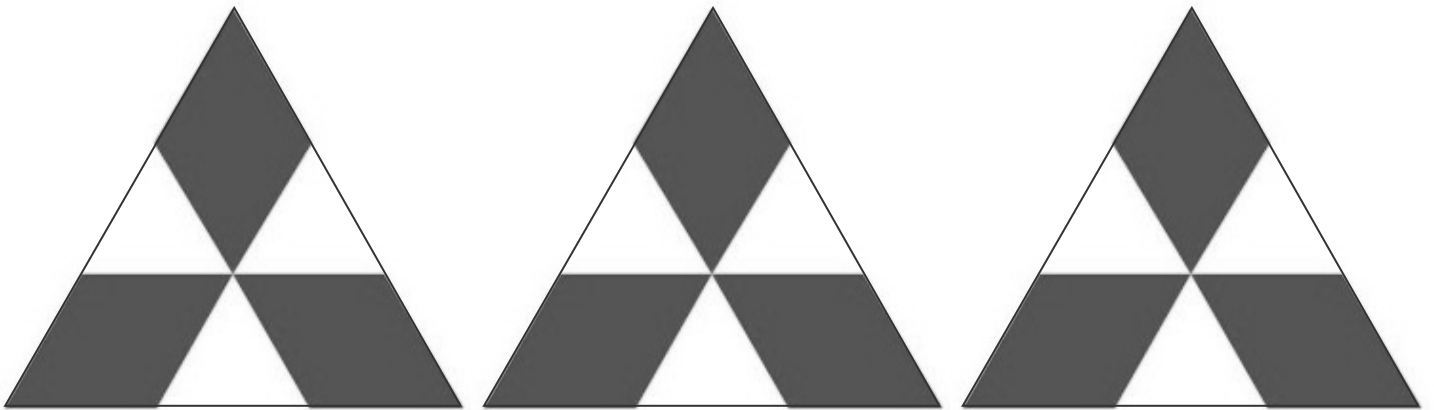
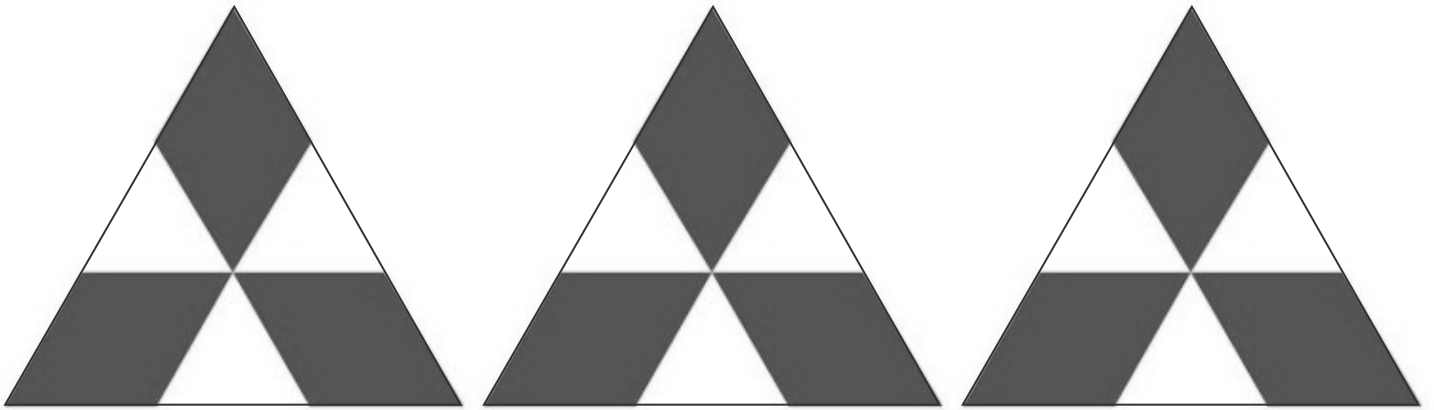
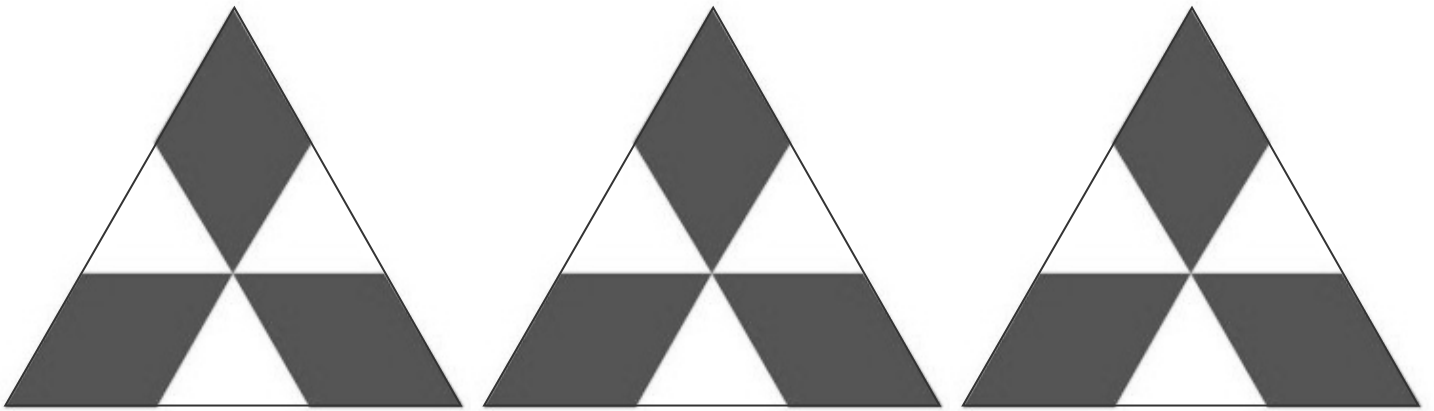
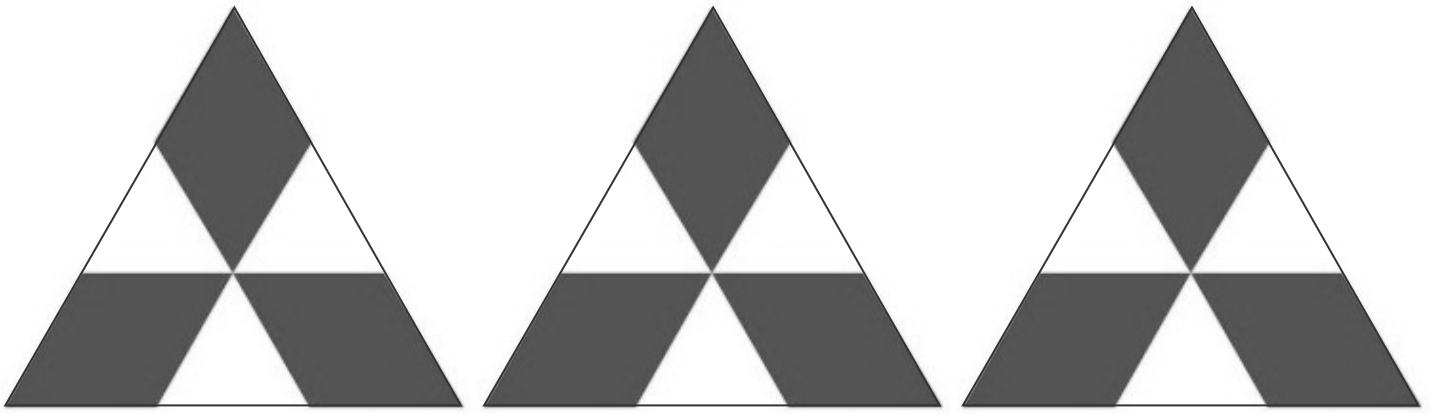
BLM 13 Textile Design



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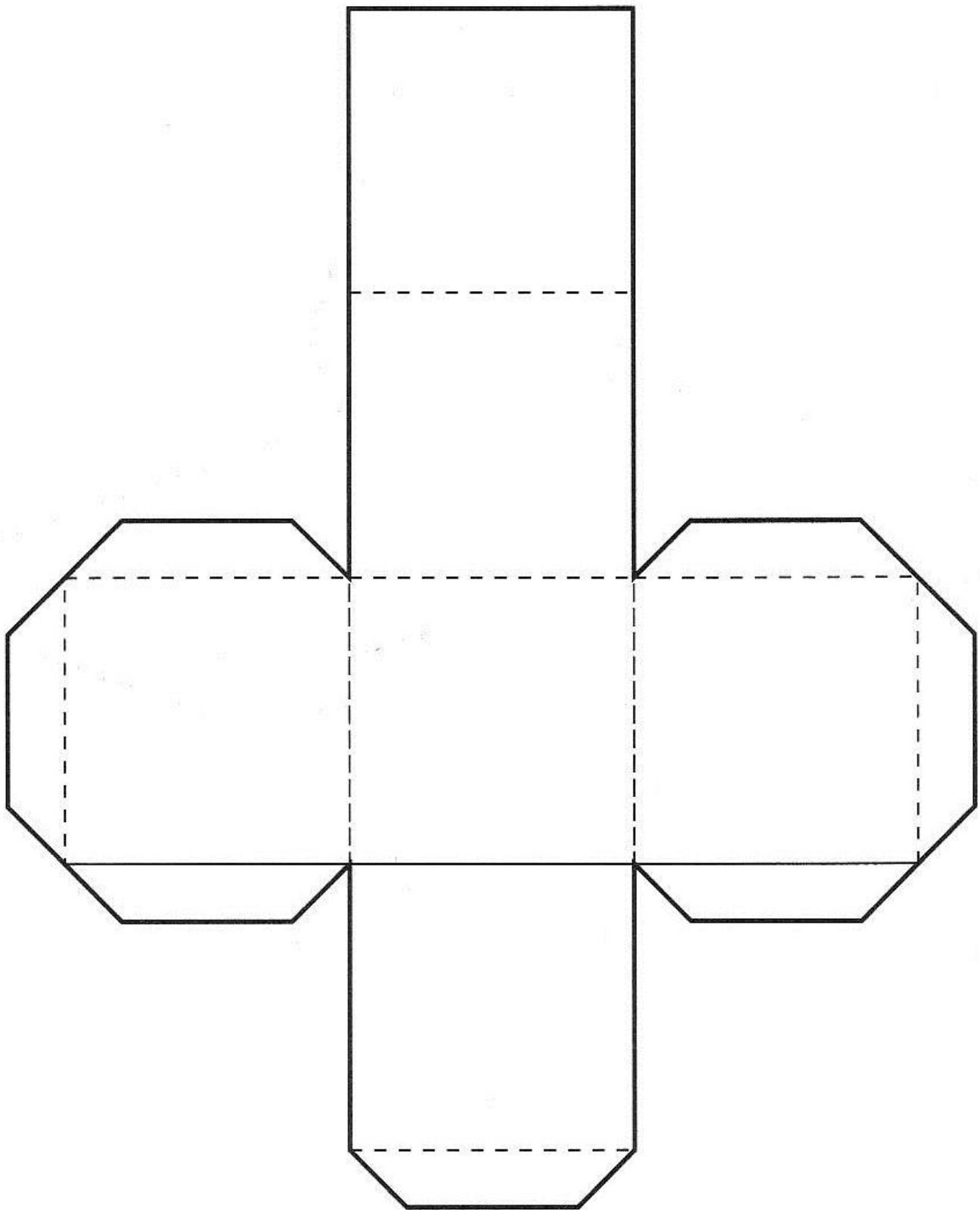


BLM 14 Logos



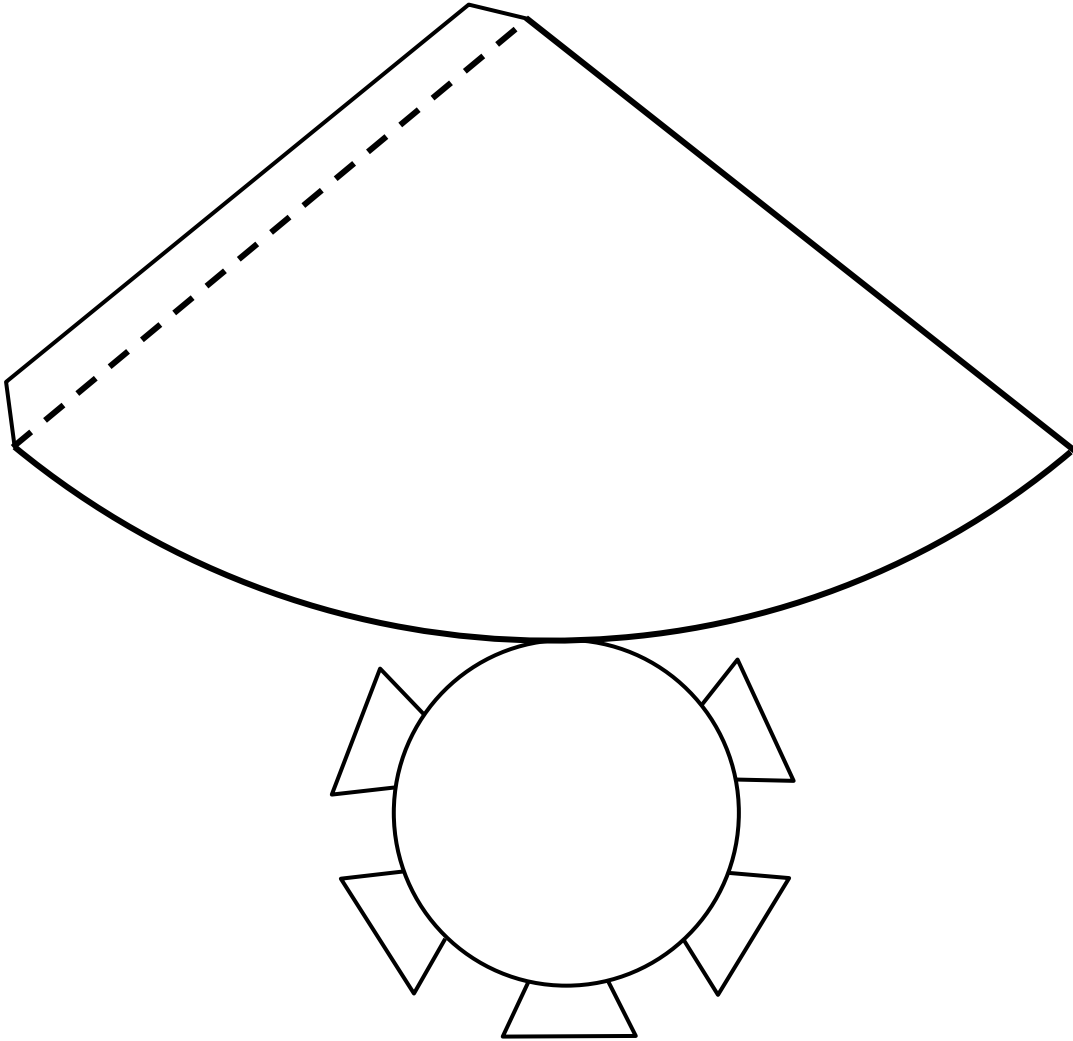
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**BLM 15 Sample Net of Cube**



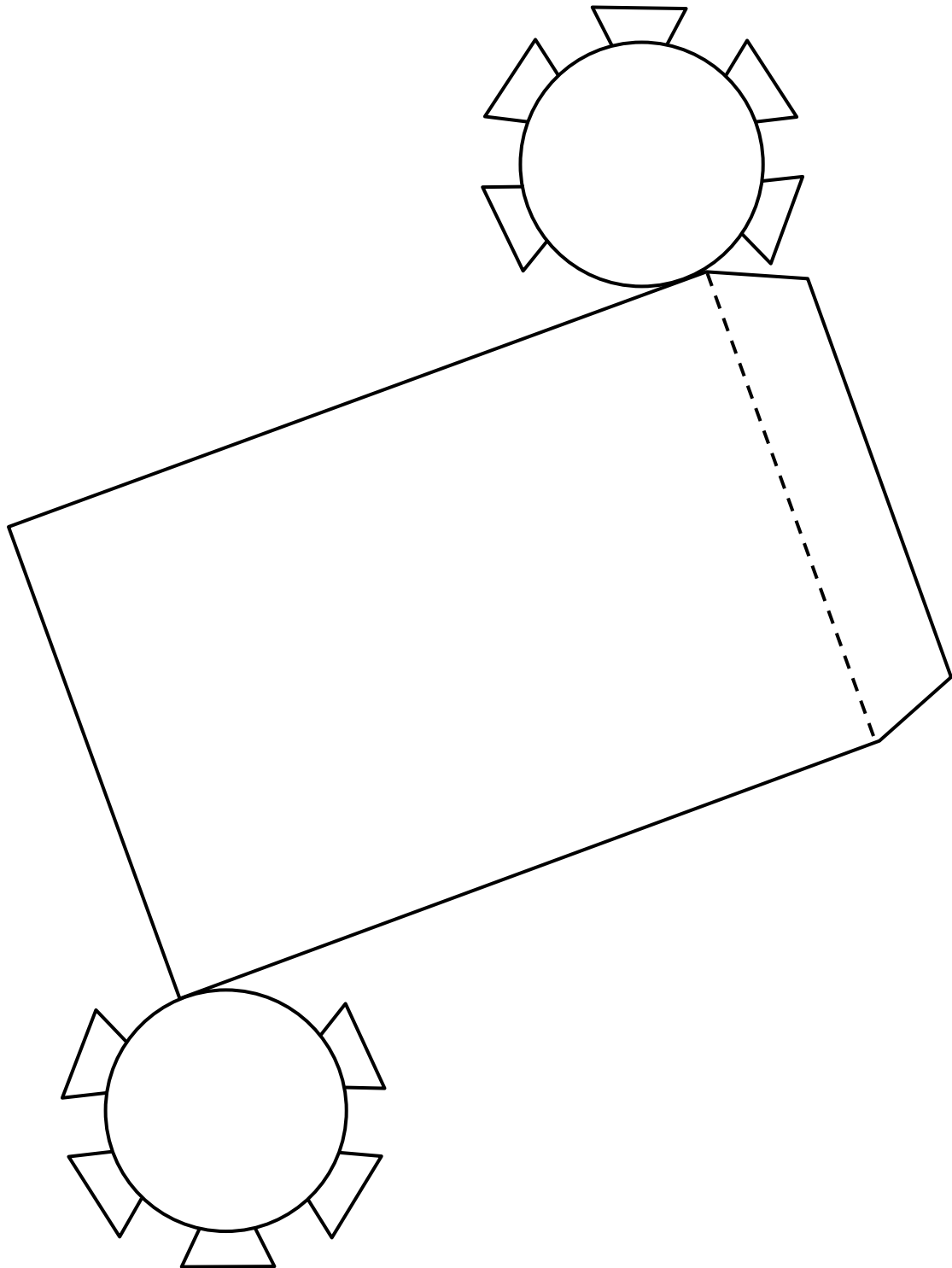
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BLM 16 Sample Net of Cone



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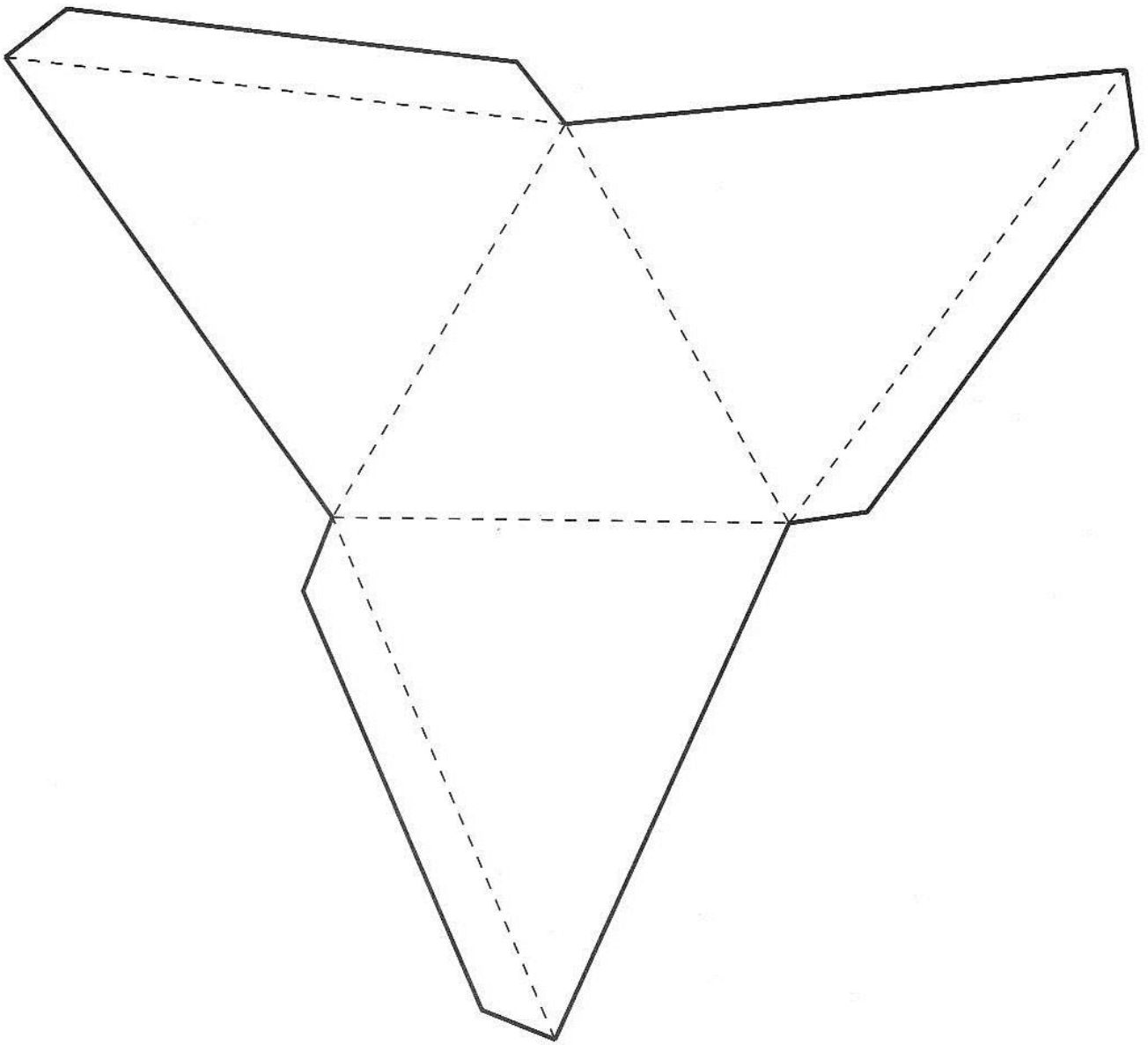
**BLM 17 Sample Net of Cylinder**



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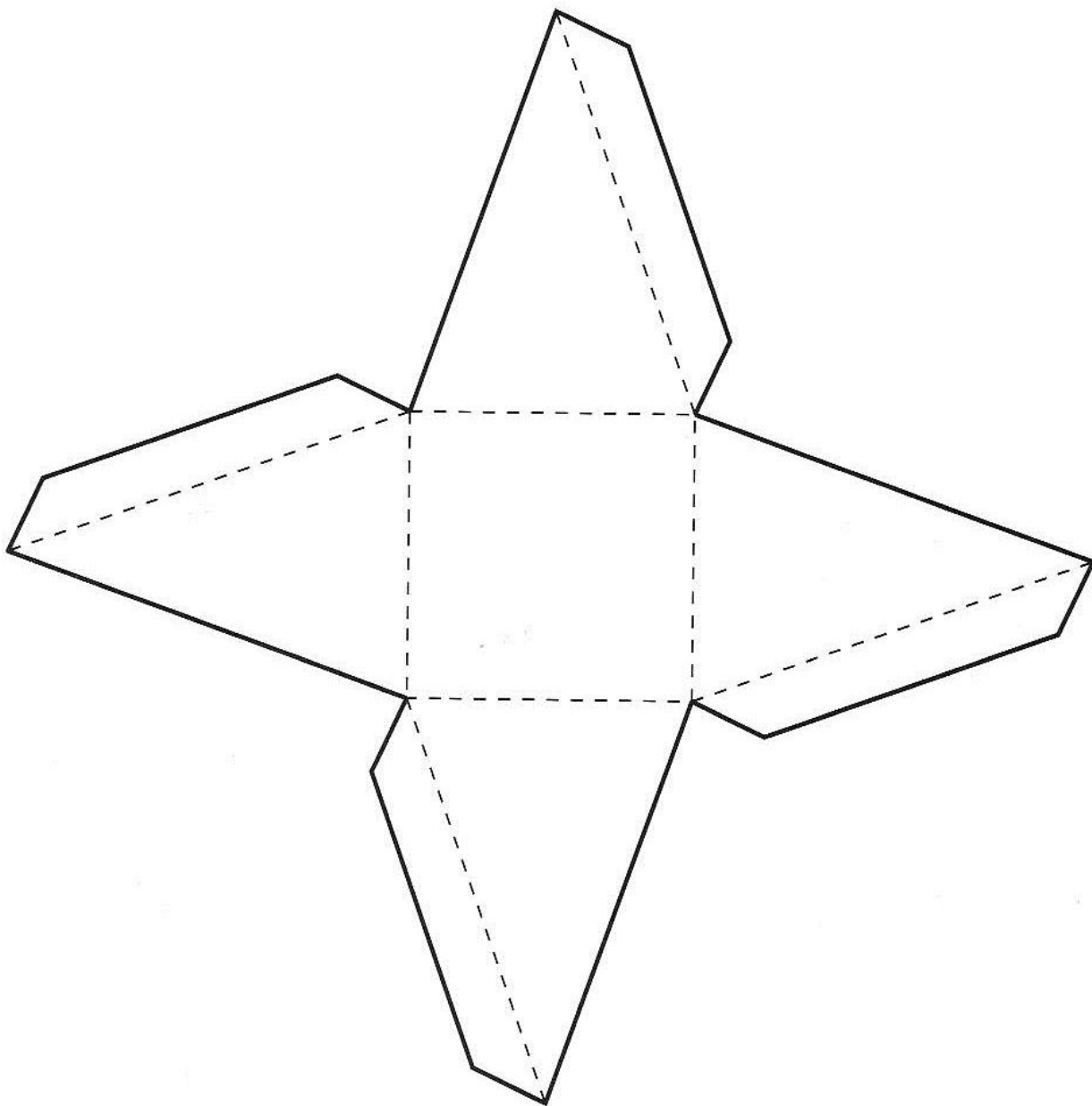


**BLM 18 Sample Net of Triangle-based Pyramid**



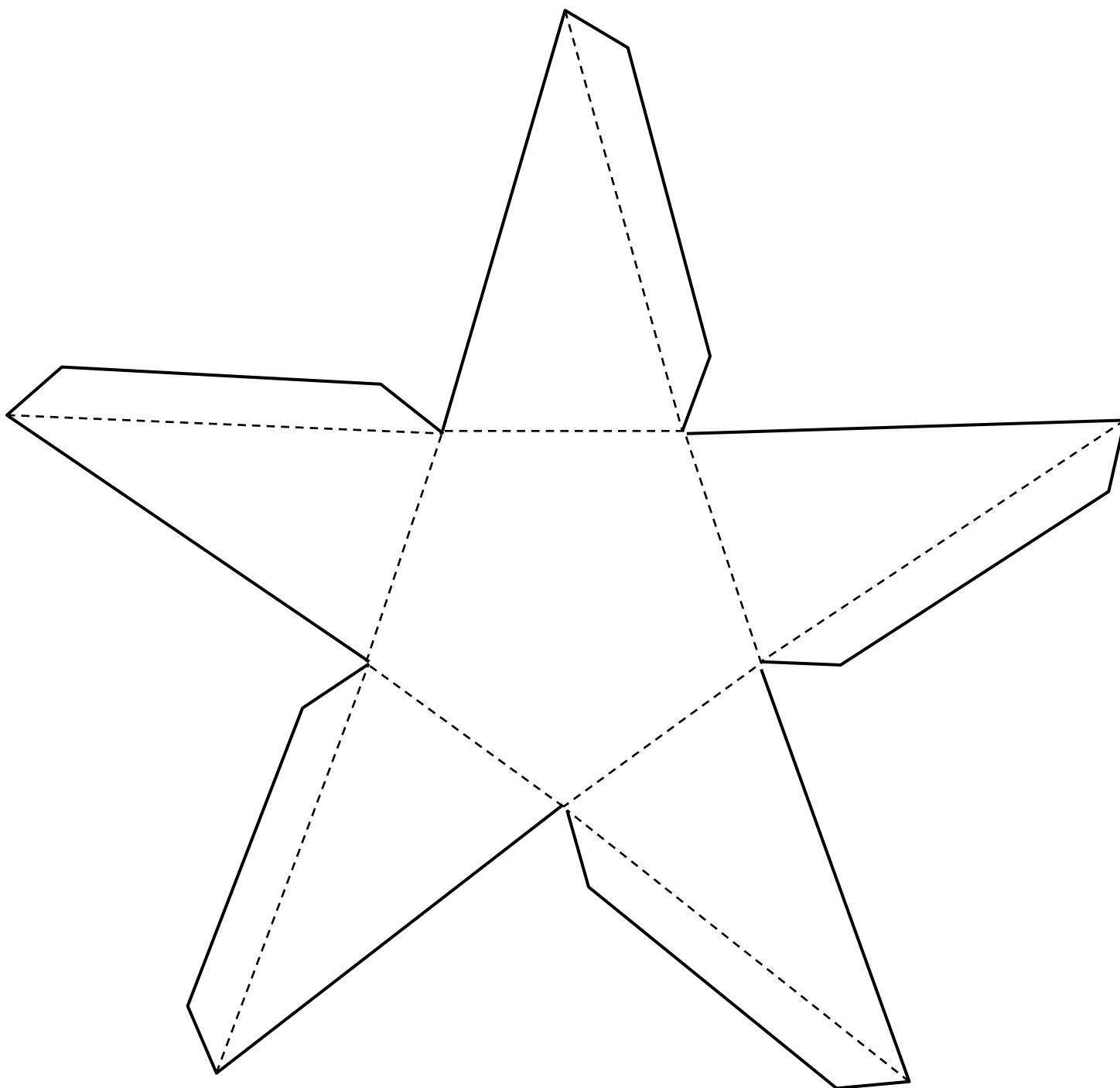
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**BLM 19 Sample Net of Square-based Pyramid**



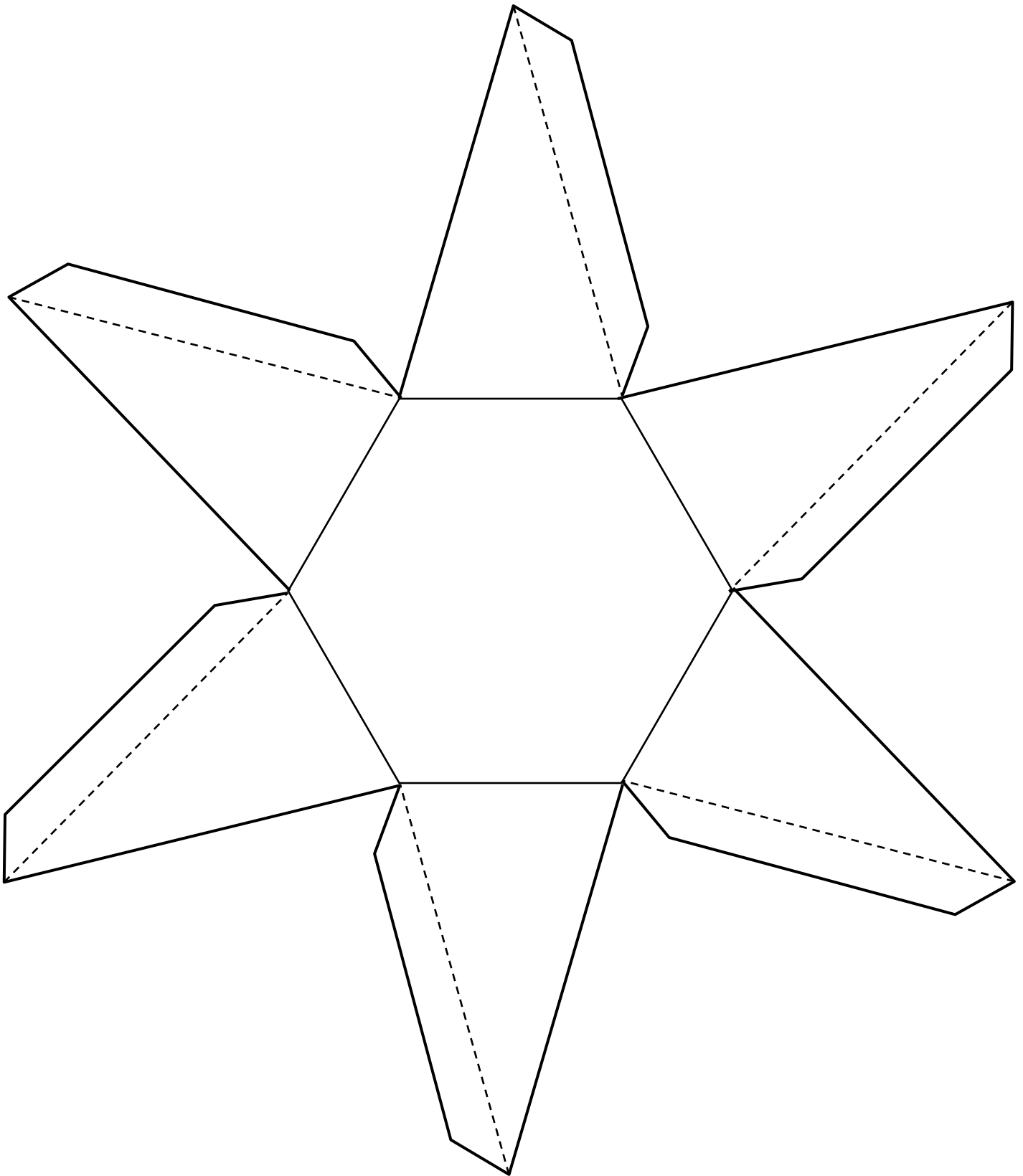
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**BLM 20 Sample Net of Pentagon-based Pyramid**



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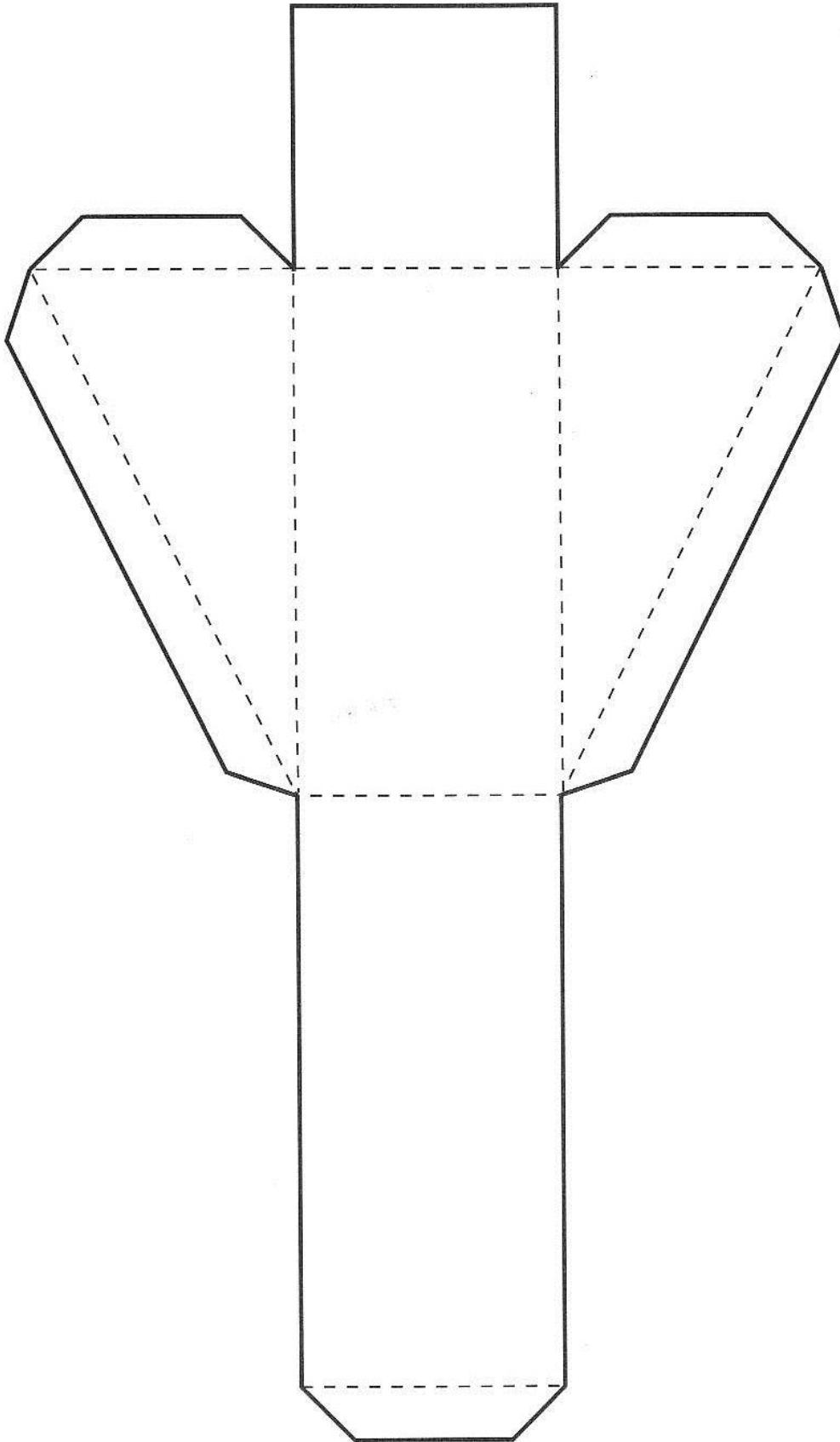
**BLM 21 Sample Net of Hexagon-based Pyramid**



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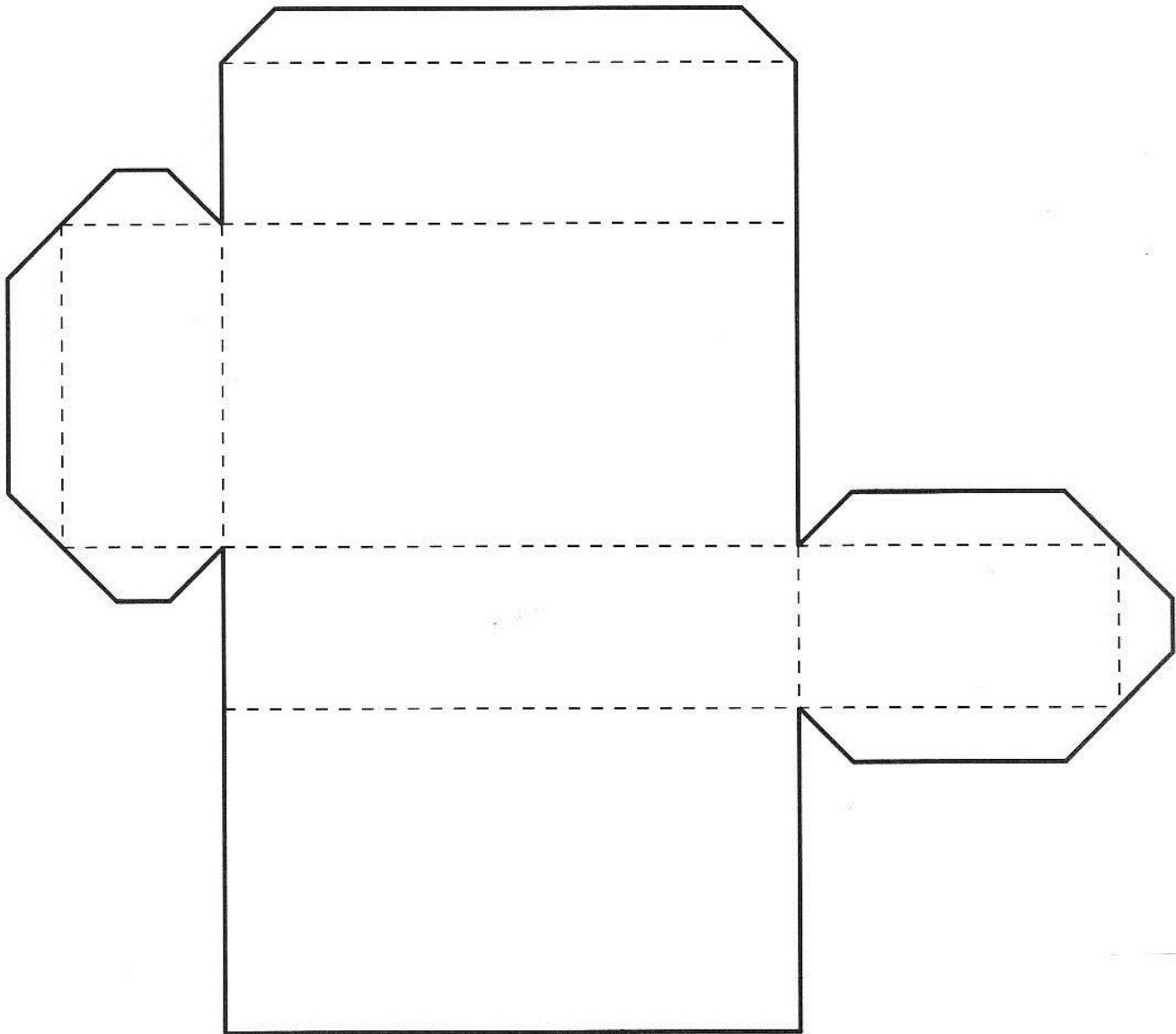


**BLM 22 Sample Net of Triangle-based Prism**



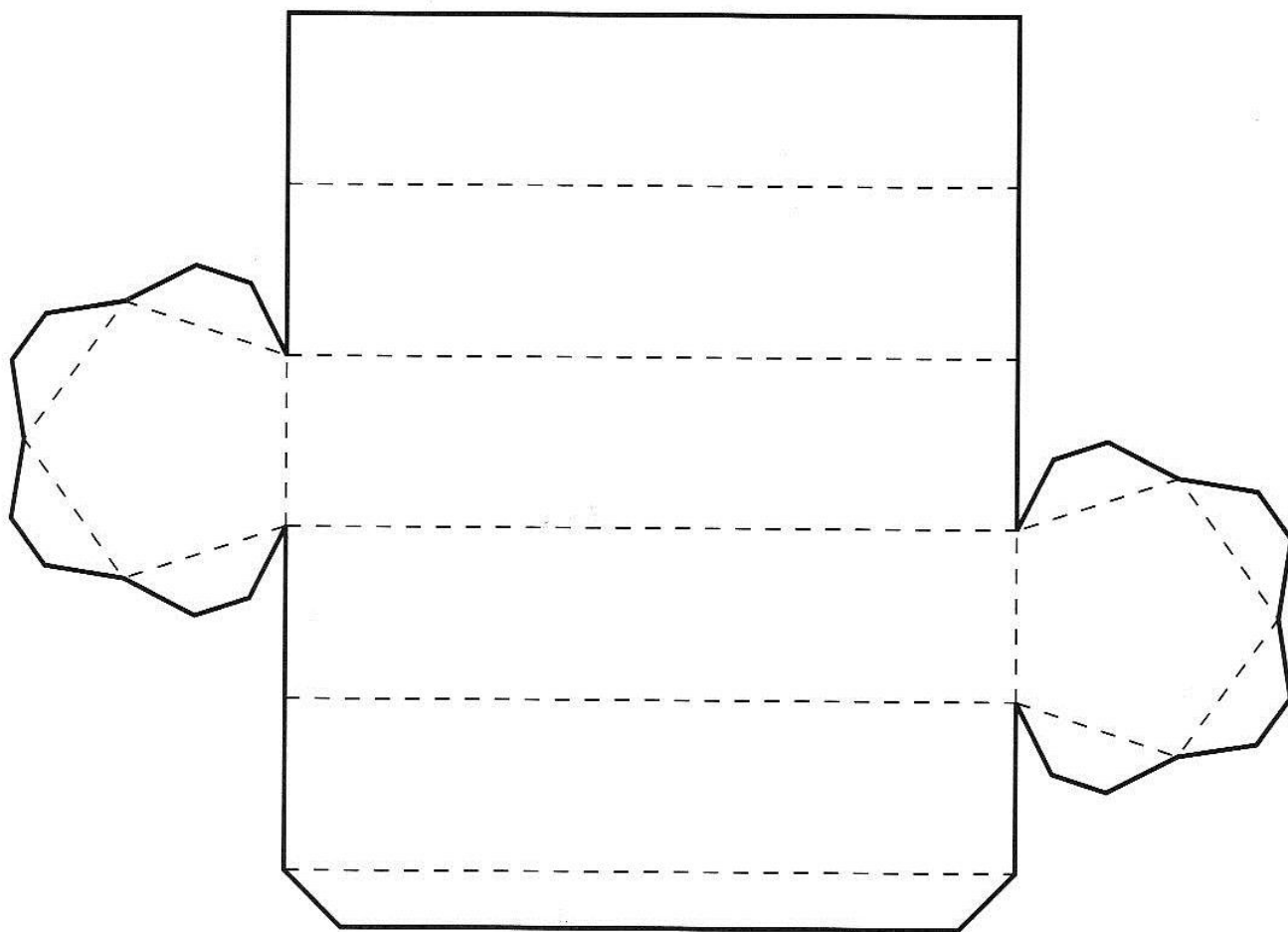
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**BLM 23 Sample Net of Rectangle-based Prism**



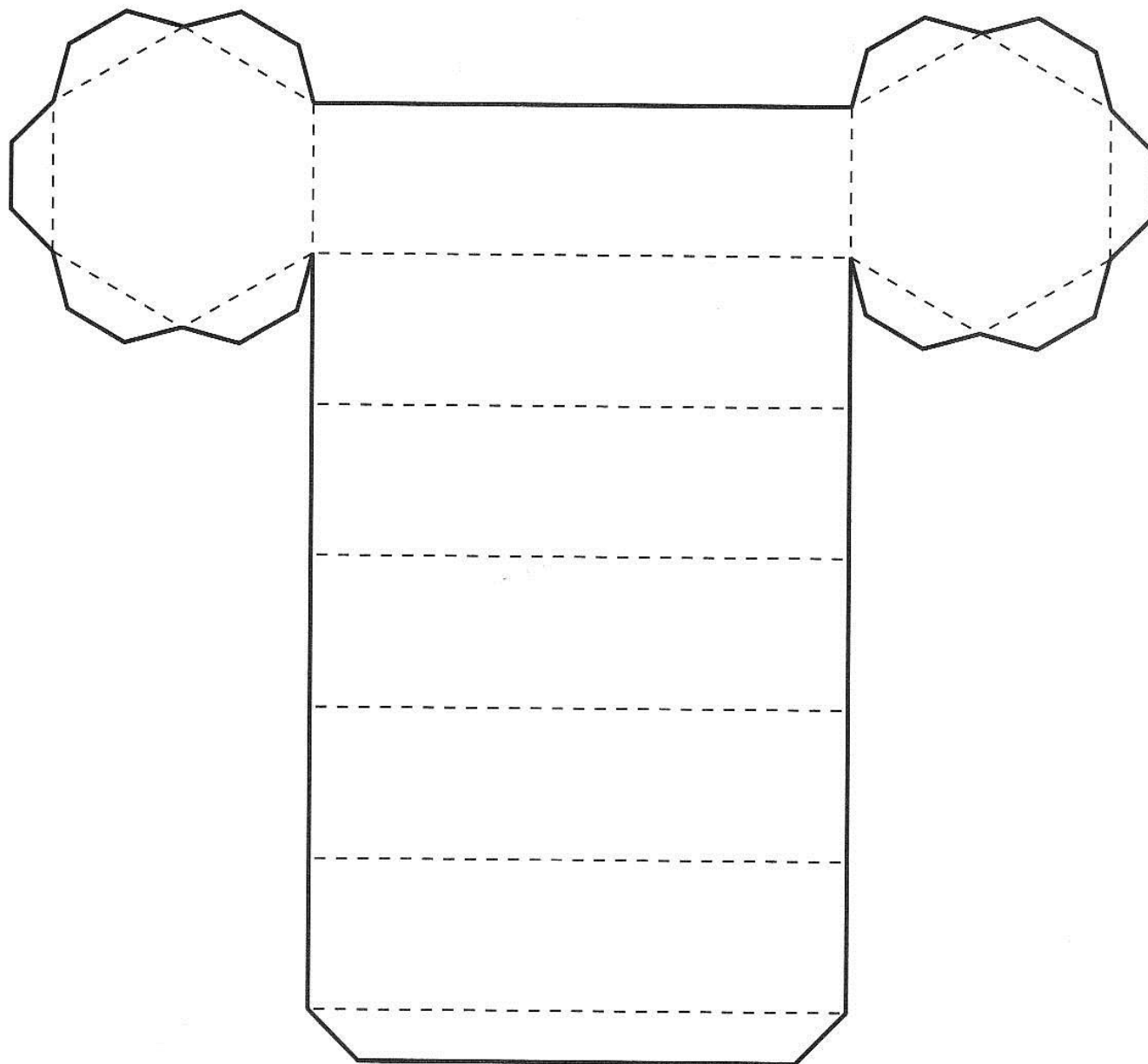
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**BLM 24 Sample Net of Pentagon-based Prism**



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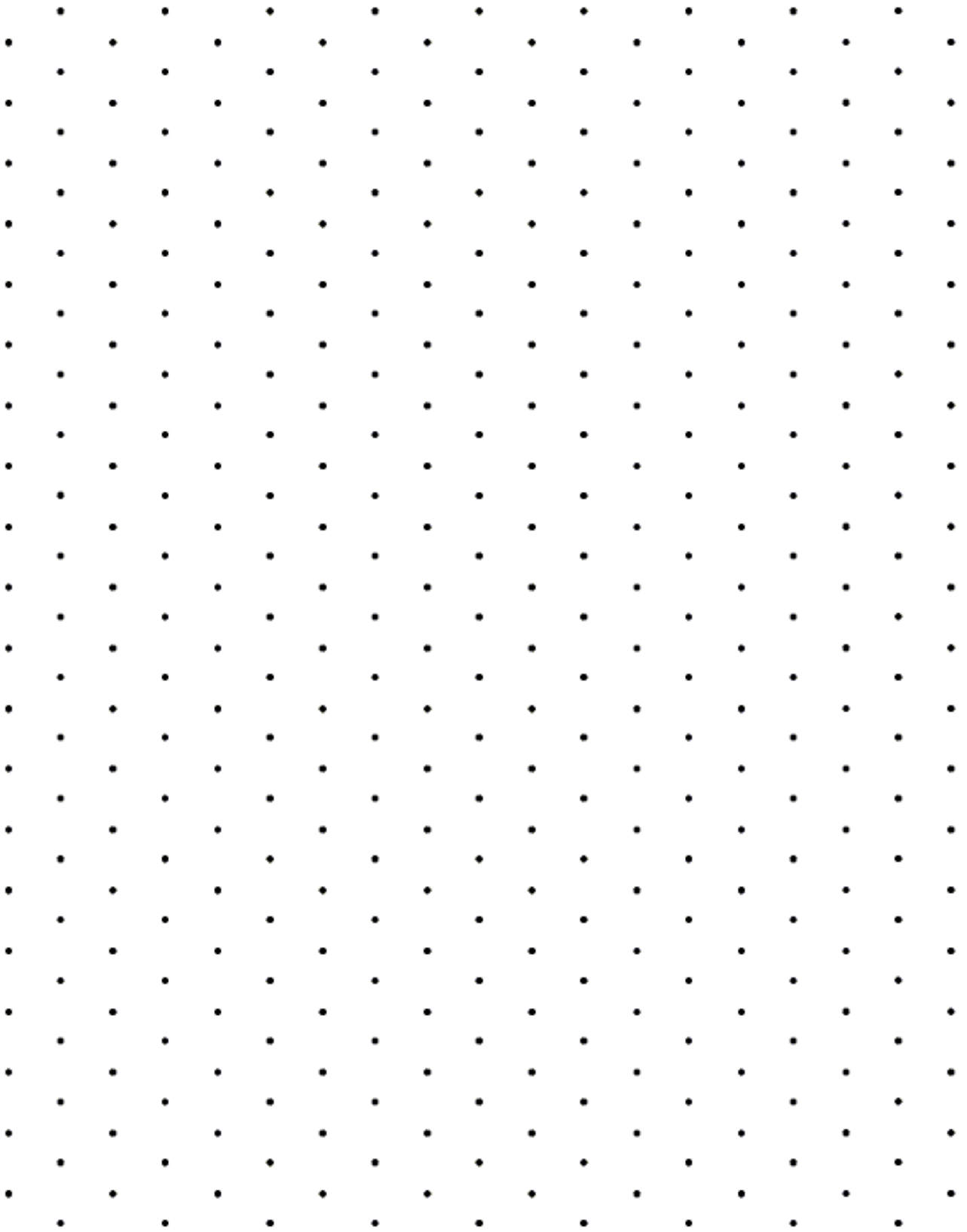
**BLM 25 Sample Net of Hexagon-based Prism**



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# BLM 26 Isometric Dot Paper



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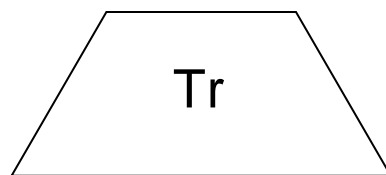
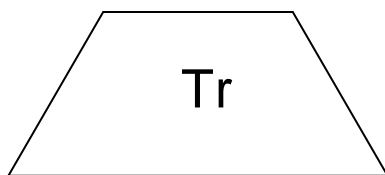
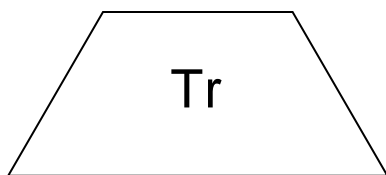
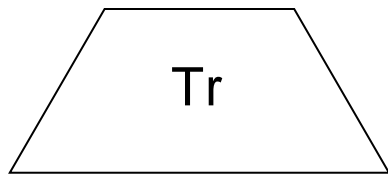
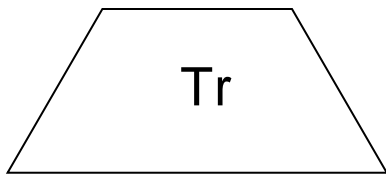
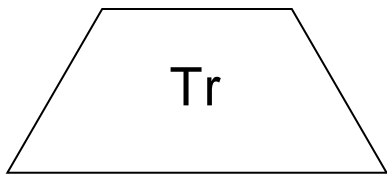
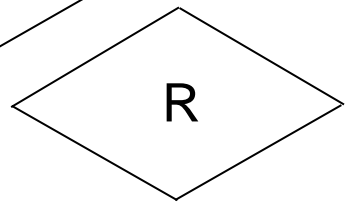
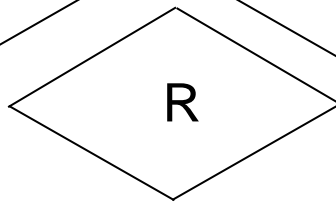
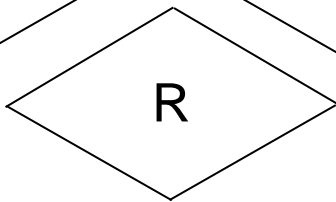
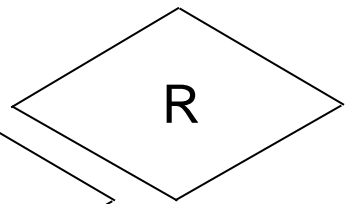
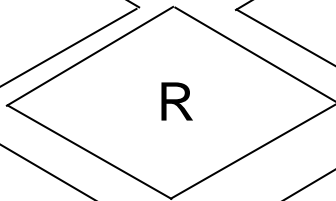
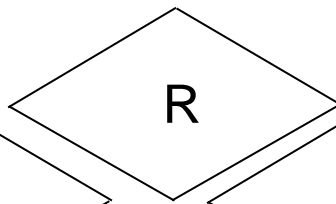
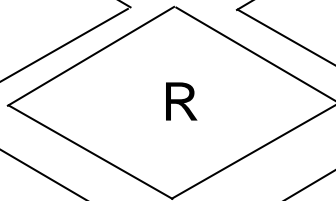
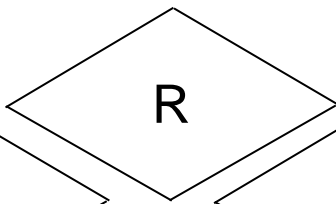
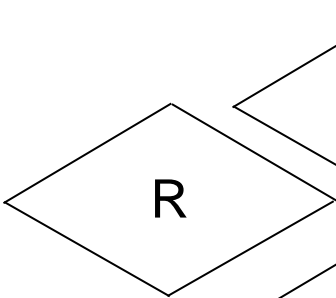
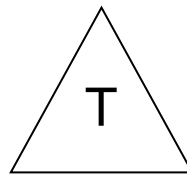
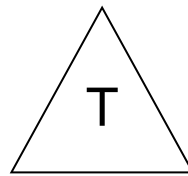
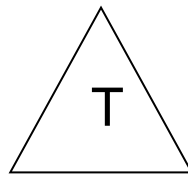
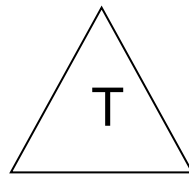
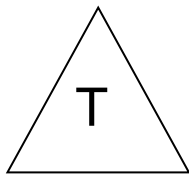
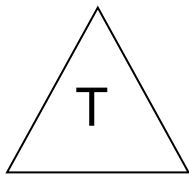
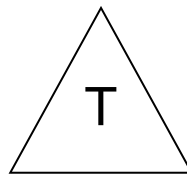
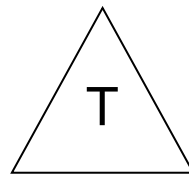
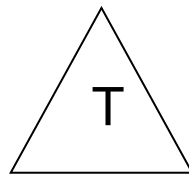
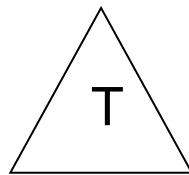
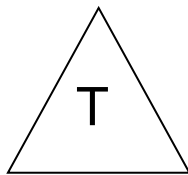
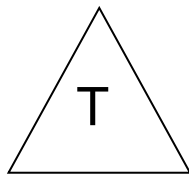
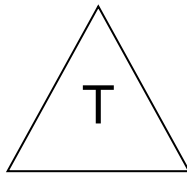
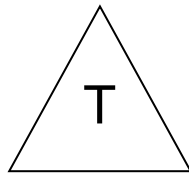
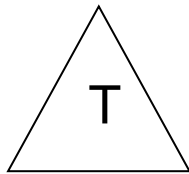
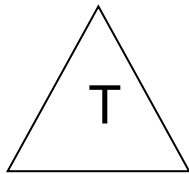
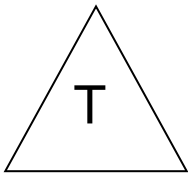
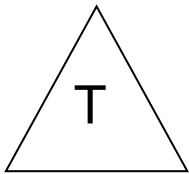
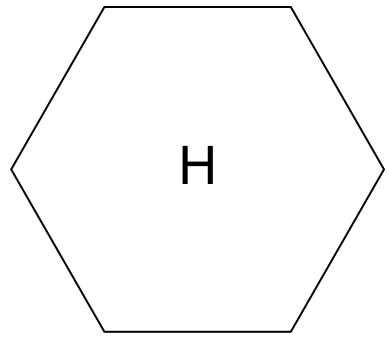
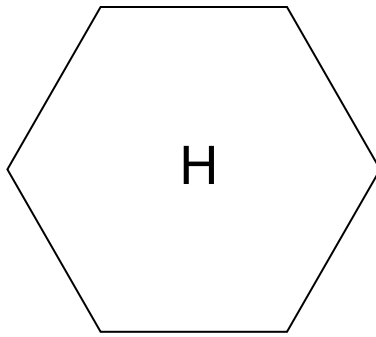
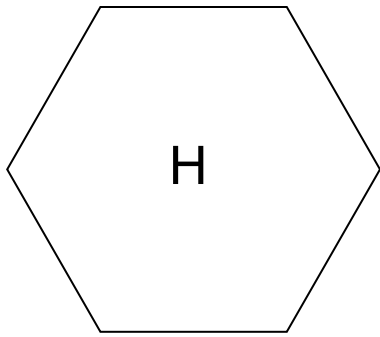
# UNIT 6 FRACTIONS AND DECIMALS

## BLM 1 Rectangle Fraction Pieces

1											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
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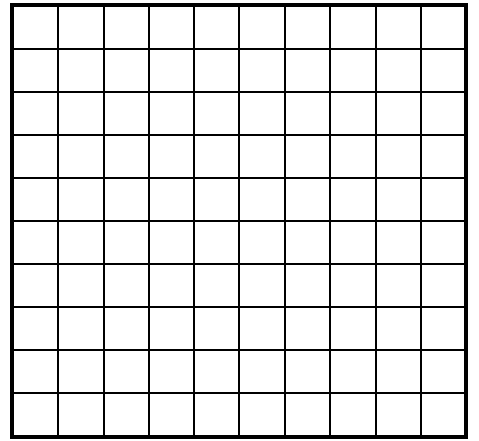
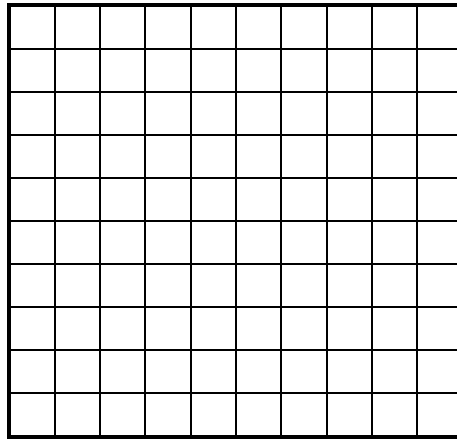
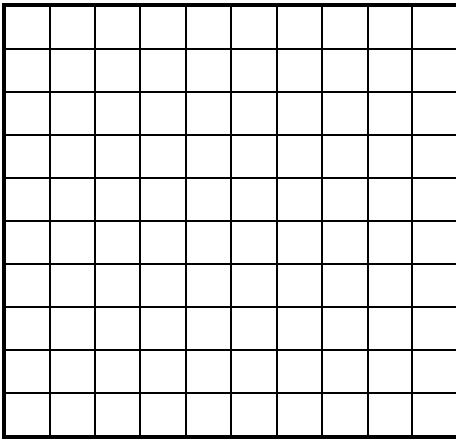
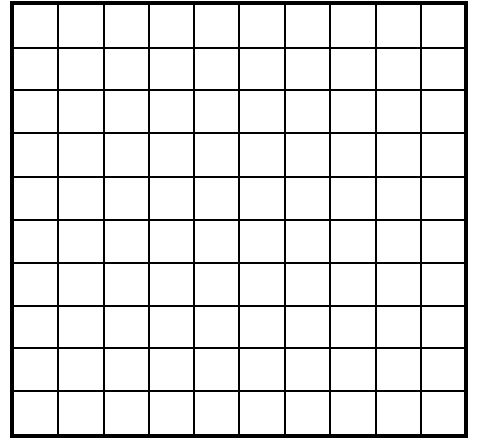
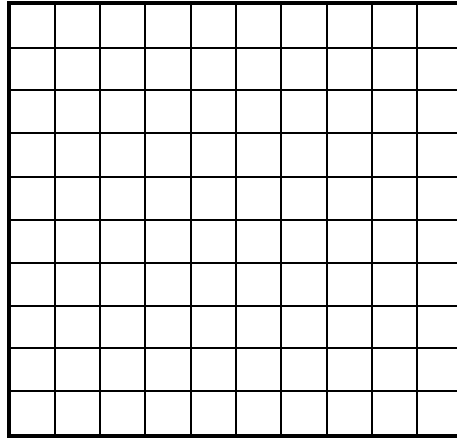
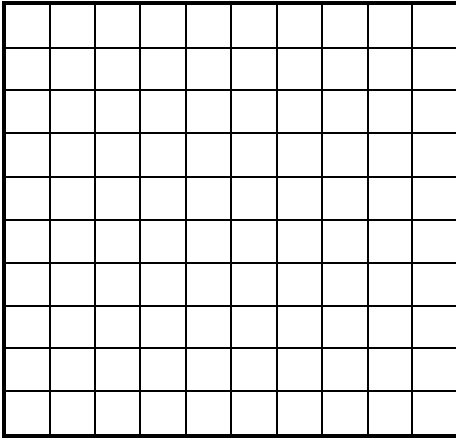
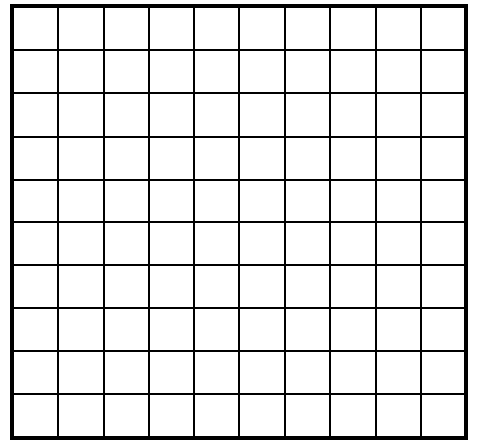
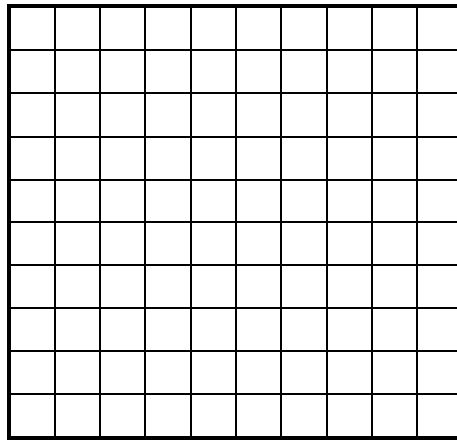
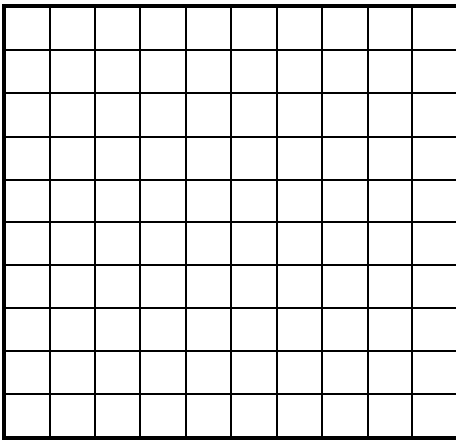
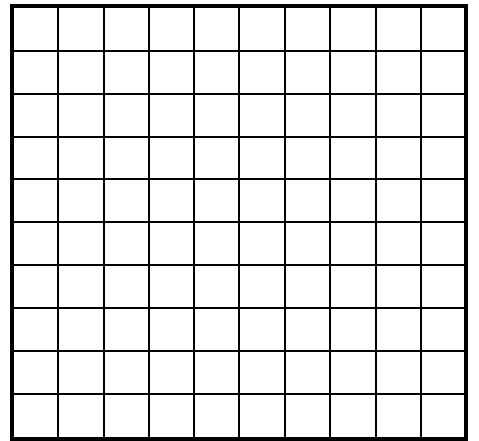
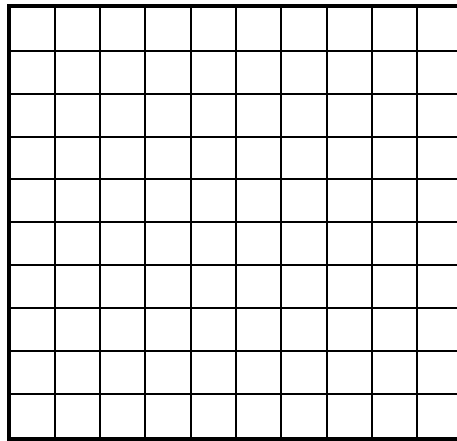
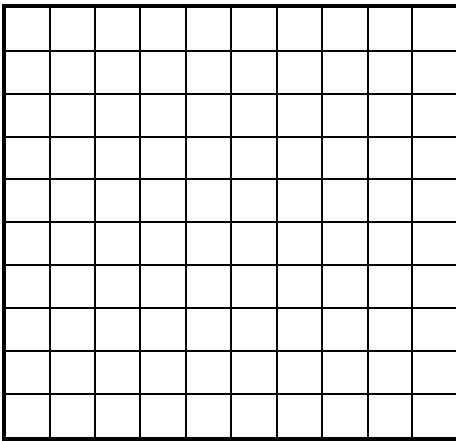
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**BLM 2 Pattern Block Pieces**



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### BLM 3 Hundredths Grids



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## BLM 4 Place Value Charts

Hundreds	Tens	Ones	Tenths	Hundredths

Hundreds	Tens	Ones	Tenths	Hundredths

Hundreds	Tens	Ones	Tenths	Hundredths

Hundreds	Tens	Ones	Tenths	Hundredths

Hundreds	Tens	Ones	Tenths	Hundredths

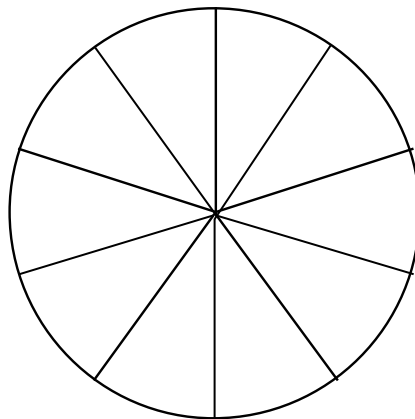
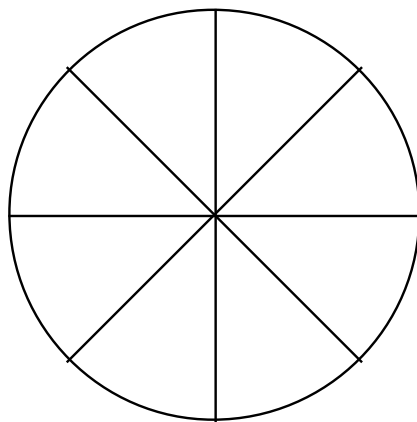
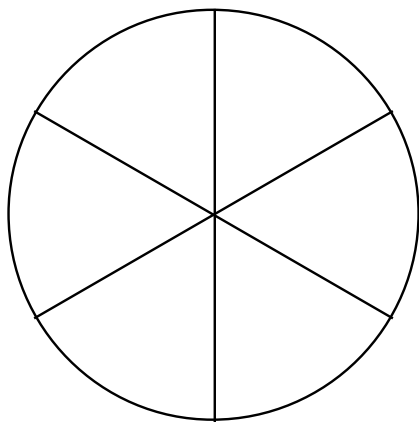
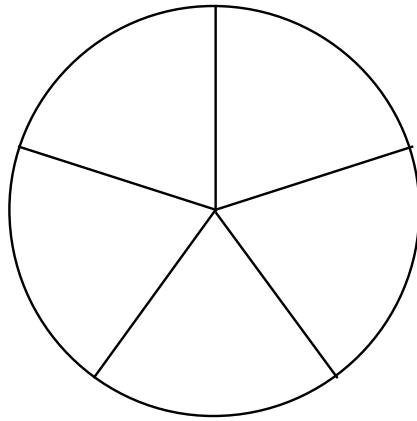
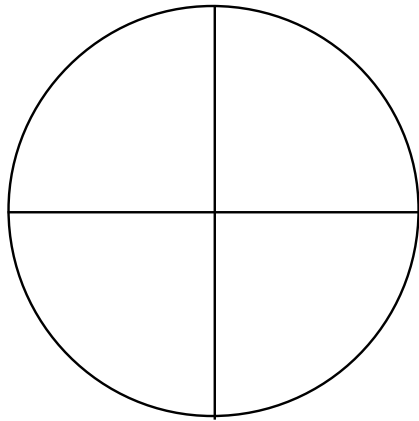
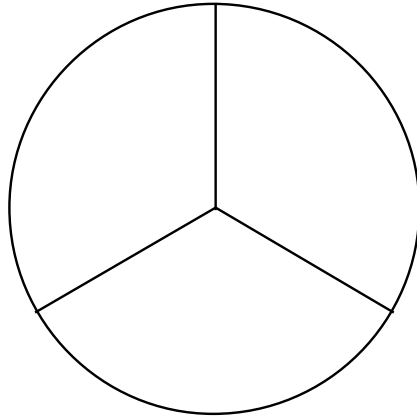
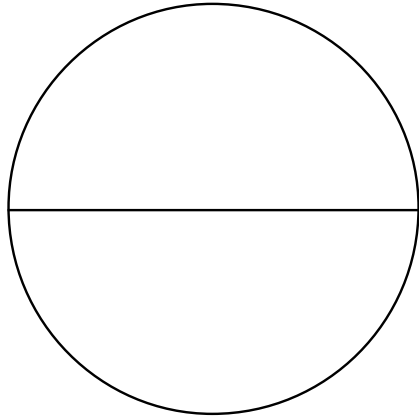
Hundreds	Tens	Ones	Tenths	Hundredths

Hundreds	Tens	Ones	Tenths	Hundredths

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# UNIT 7 DATA AND PROBABILITY

## BLM 1 Fraction Circles for Spinners



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