Read the Problem Lee el problema	Solve the Problem Resuelve el problema
What do I need to find? **¿Qué debo hallar?**	**Show how to solve the problem.** **Muestra la manera de resolver el problema.**
What information do I need to use? **¿Qué información necesito usar?**	
How will I use the information? **¿De qué manera usaré la información?**	

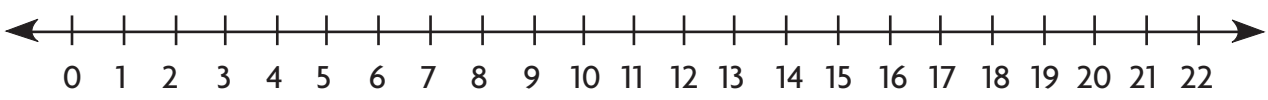
Problem Solving Graphic Organizer
(vertical)

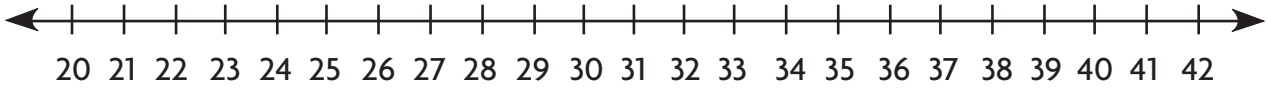
Read the Problem Lee el problema		
What do I need to find? **¿Qué debo hallar?**	**What information do I need to use?** **¿Qué información necesito usar?**	**How will I use the information?** **¿De qué manera usaré la información?**
Solve the Problem **Resuelve el problema**		
Show how to solve the problem. **Muestra la manera de resolver el problema.**		

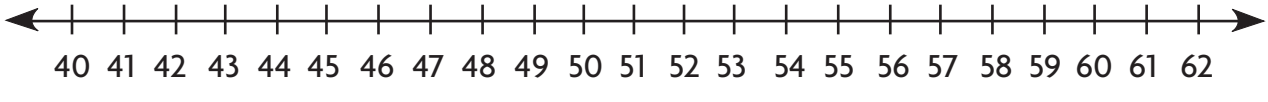
Problem Solving Graphic Organizer
(horizontal)

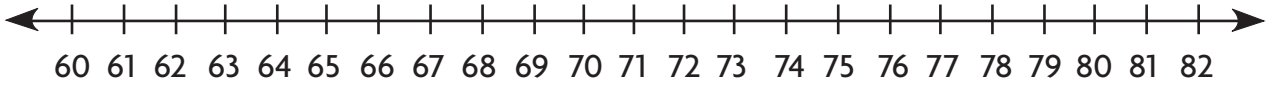
4	0
5	1
6	2
7	3

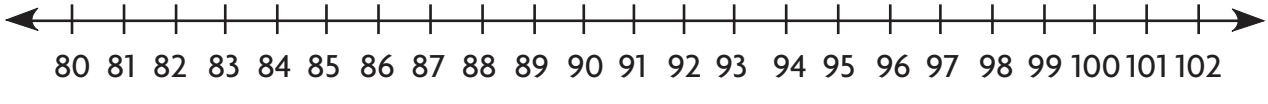
	8
	9

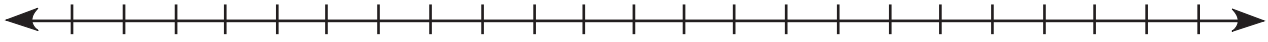


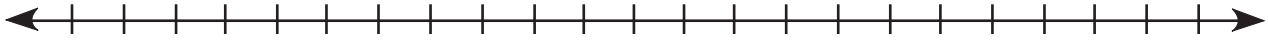


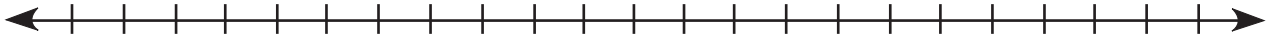


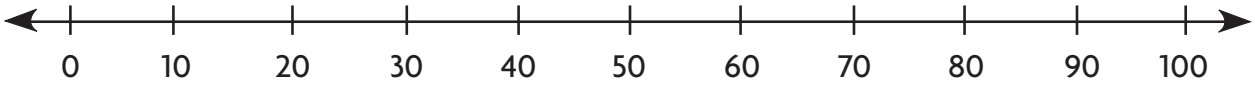


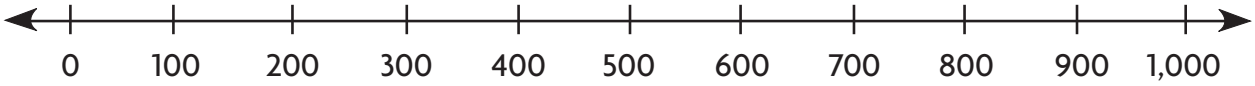


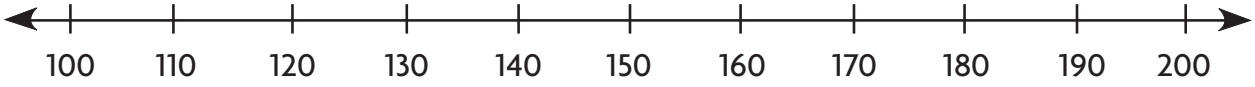


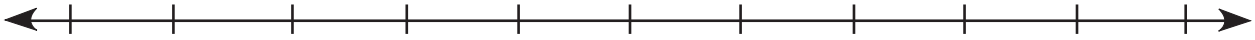


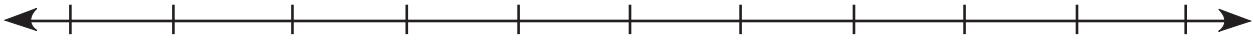


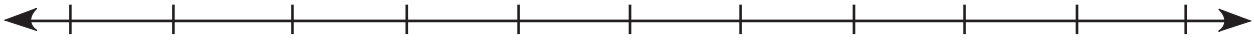


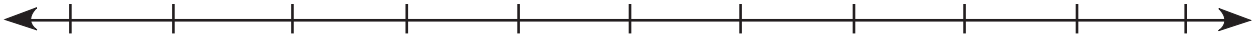


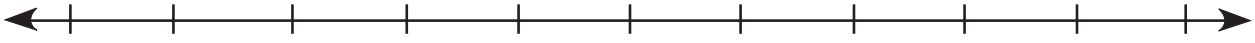


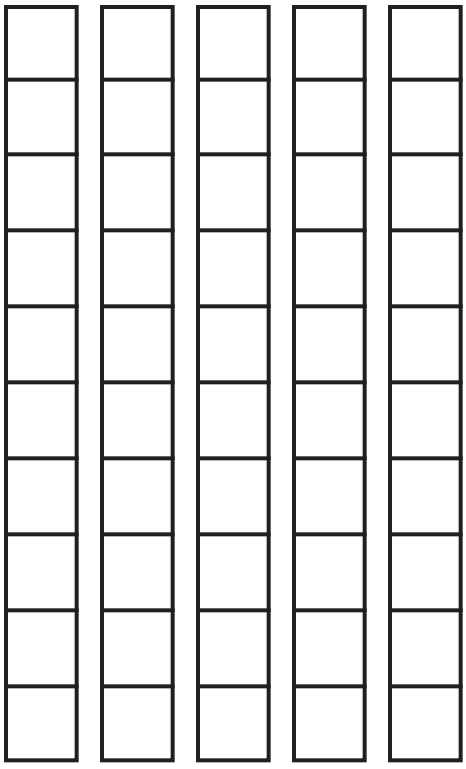


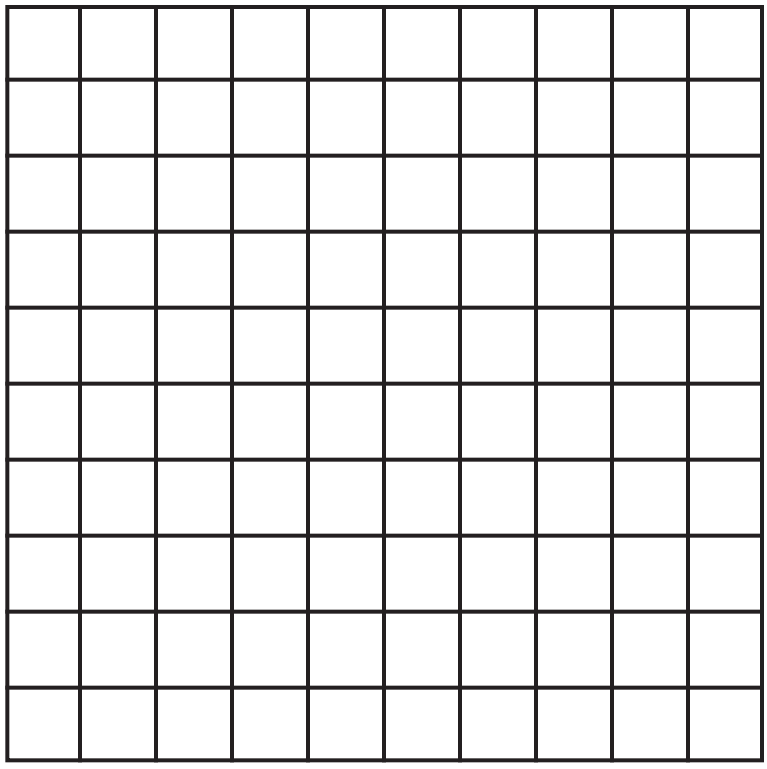


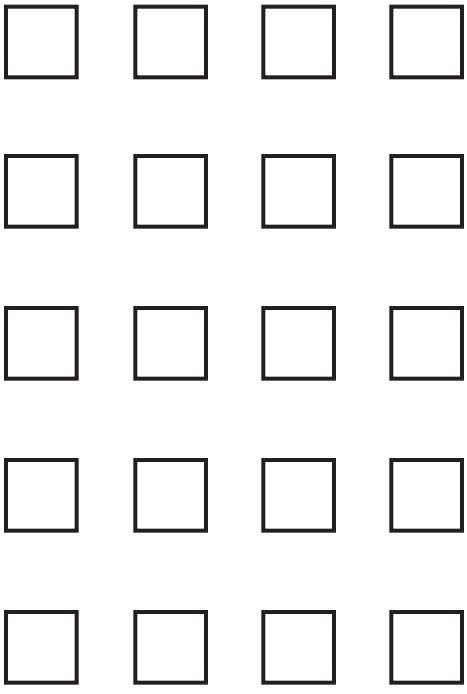


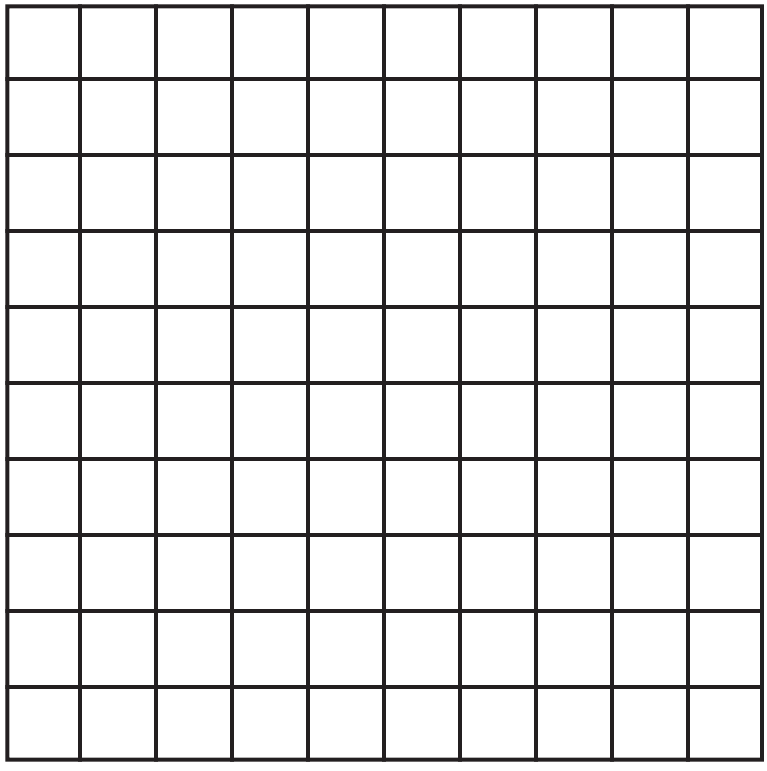


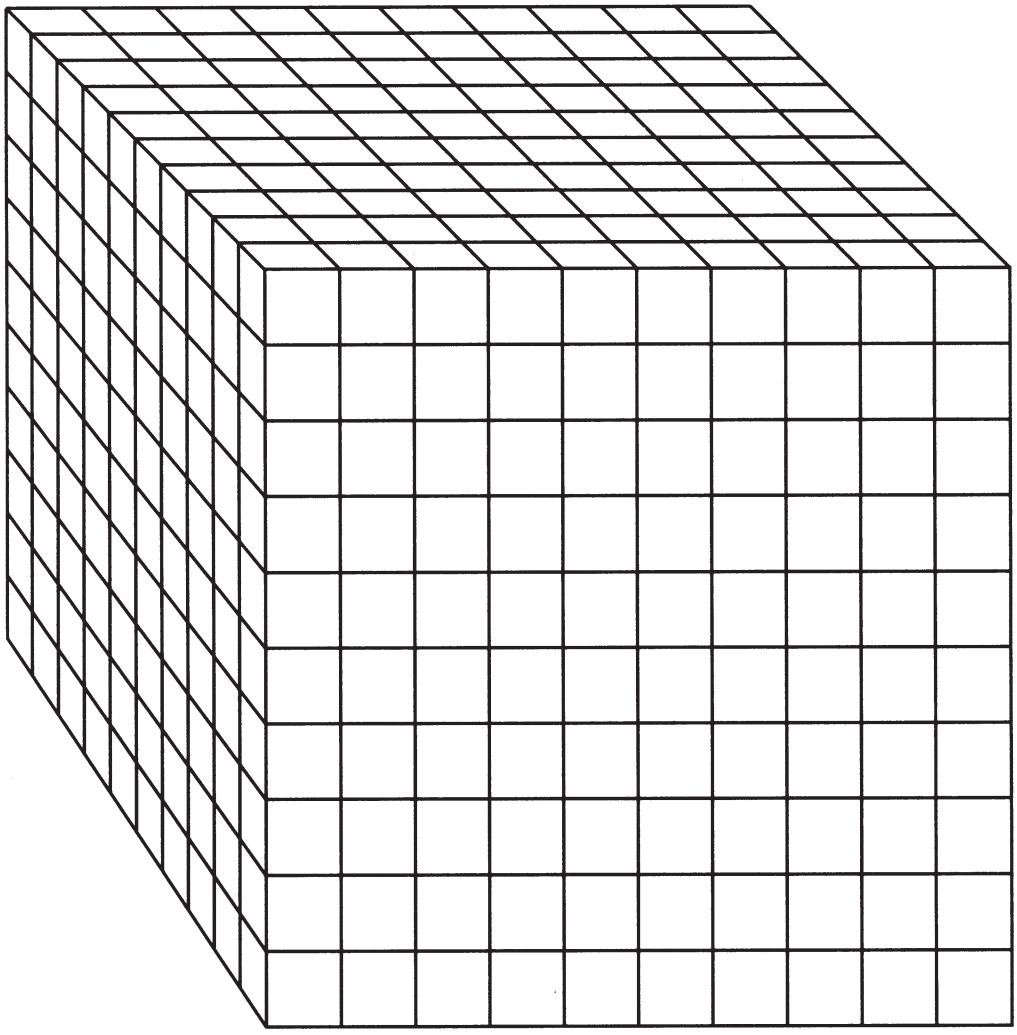


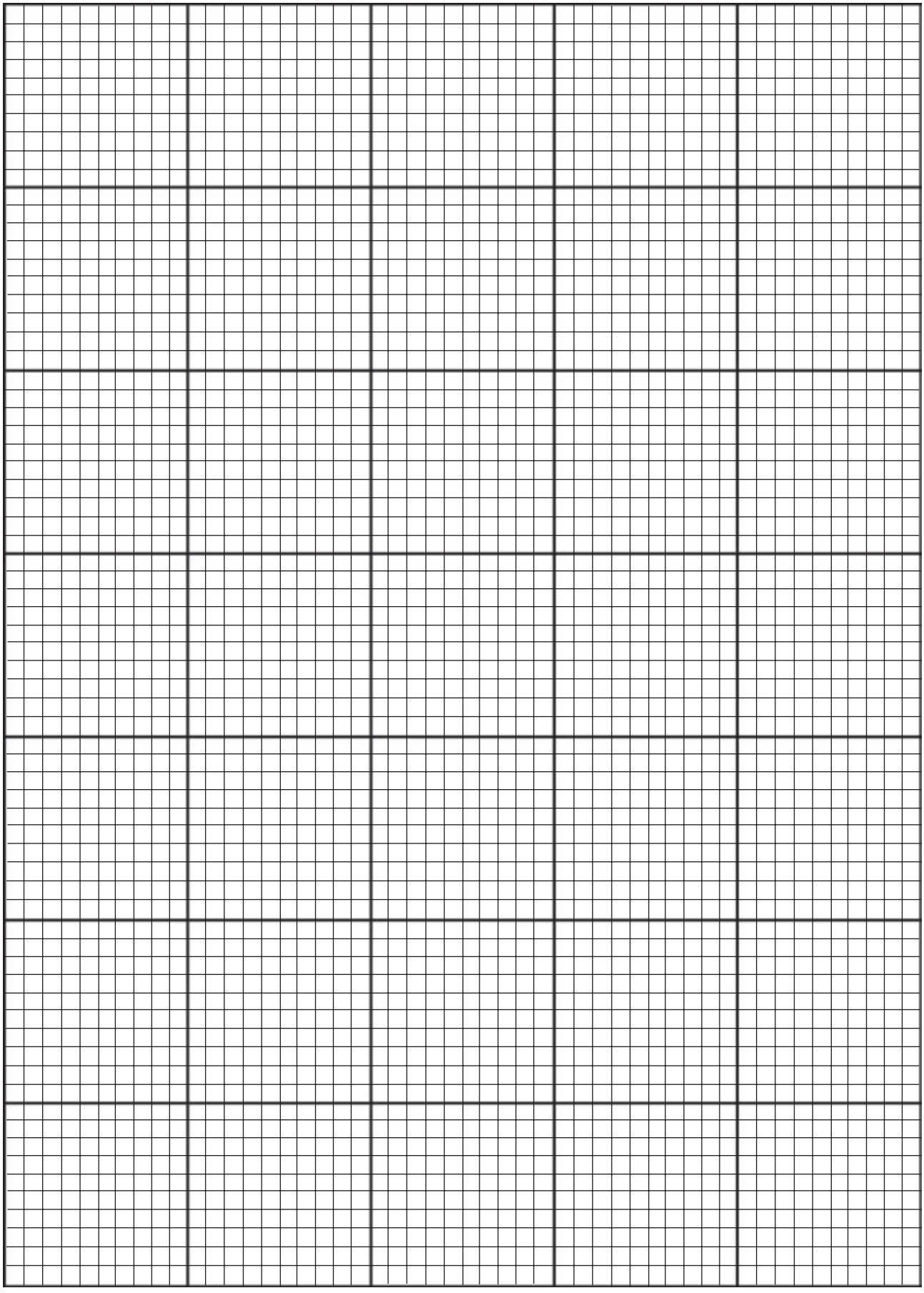












Base-Ten Grid Paper

Thousands	Hundreds	Tens	Ones
,			

Thousands	Hundreds	Tens	Ones
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Thousands	Hundreds	Tens	Ones
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Thousands	Hundreds	Tens	Ones
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Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		,			

Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		,			,			

Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		,			,			

Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		,			,			

Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		,			,			

Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
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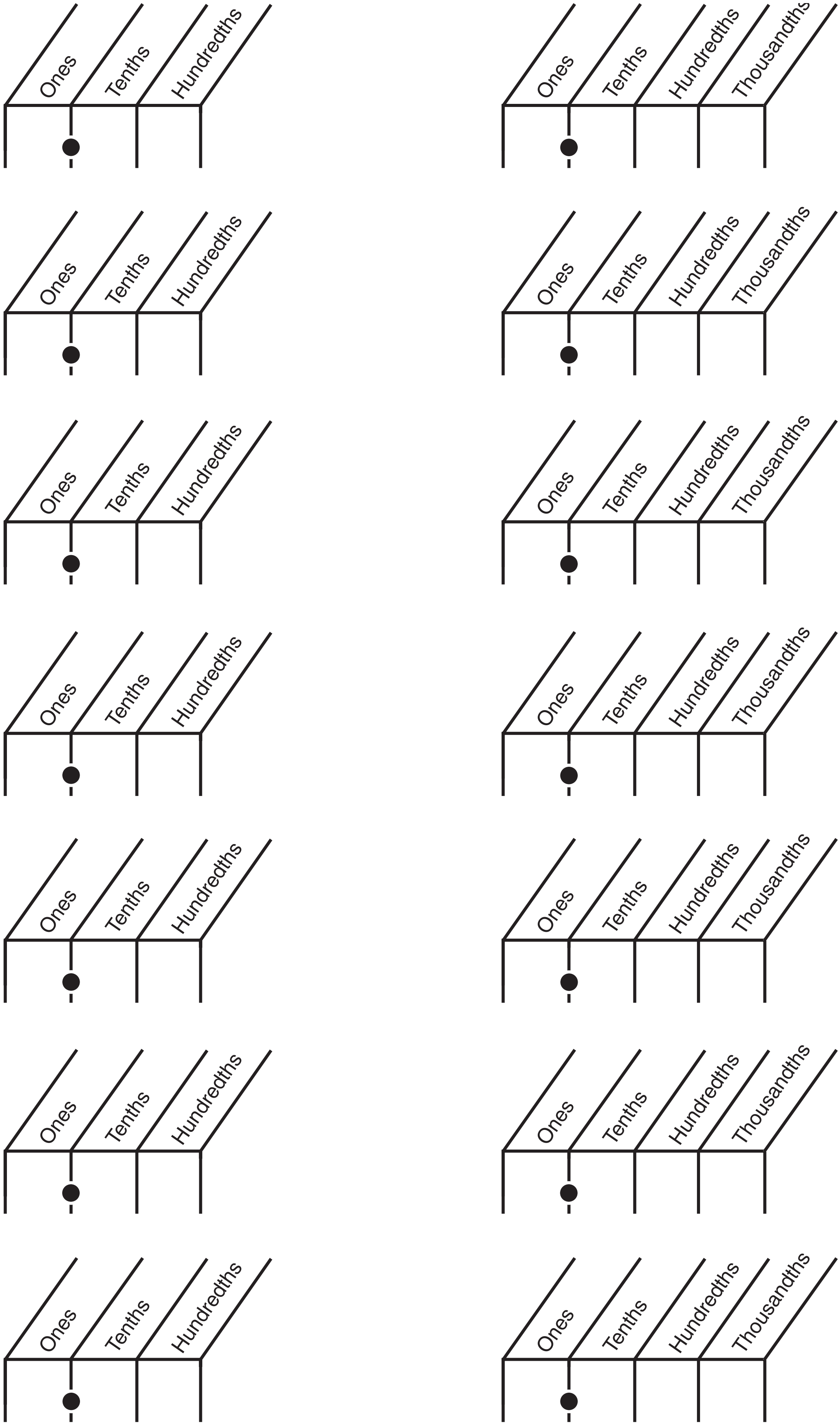

Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Millares	Centenas	Decenas	Unidades
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Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades

Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
		,			,			

Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
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Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
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Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
		,			,			

Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
		,			,			

Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
		,			,			

Centenas de millón	Decenas de millón	Unidades de millón	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
		,			,			

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos

Unidades	Décimos	Centésimos	Milésimos

Unidades	Décimos	Centésimos	Milésimos

Unidades	Décimos	Centésimos	Milésimos

Unidades	Décimos	Centésimos	Milésimos

Unidades	Décimos	Centésimos	Milésimos

Unidades	Décimos	Centésimos	Milésimos

Unidades	Décimos	Centésimos	Milésimos

Ones	.	Tenths	Hundredths
	.		
	.		

Ones	.	Tenths	Hundredths
	.		
	.		

Ones	.	Tenths	Hundredths
	.		
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Ones	.	Tenths	Hundredths
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Ones	.	Tenths	Hundredths
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	.		

Ones	.	Tenths	Hundredths
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	.		

Ones	.	Tenths	Hundredths
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	.		

Tens	Ones	.	Tenths	Hundredths
		.		
		.		

Tens	Ones	.	Tenths	Hundredths
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		.		

Tens	Ones	.	Tenths	Hundredths
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Tens	Ones	.	Tenths	Hundredths
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Tens	Ones	.	Tenths	Hundredths
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		.		

Tens	Ones	.	Tenths	Hundredths
		.		
		.		

Tens	Ones	.	Tenths	Hundredths
		.		
		.		

Place-Value Charts (decimals)

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

Unidades	.	décimas	centésimas
	.		
	.		

Decenas	Unidades	.	décimas	centésimas
		.		
		.		

×10 (greater) ← ÷10 (lesser) →

Place	Thousands			Ones		
	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
Place Value	100,000	10,000	1,000	100	10	1
Number	3	6	8	7	4	9
Total Value	300,000	60,000	8,000	700	40	9

Standard Form: 368,749
Word Form: three hundred sixty-eight thousand, seven hundred forty-nine
Expanded Form: 300,000 + 60,000 + 8,000 + 700 + 40 + 9

Place	Thousands			Ones		
	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
Place Value	100,000	10,000	1,000	100	10	1
Number						
Total Value						

Standard Form: _____
Word Form: _____
Expanded Form: _____

Place	Thousands			Ones		
	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
Place Value	100,000	10,000	1,000	100	10	1
Number						
Total Value						

Standard Form: _____
Word Form: _____
Expanded Form: _____

$\times 10$ (mayor) ← → $\div 10$ (menor)

Posición	Millares			Unidades		
	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
Valor de posición	100,000	10,000	1,000	100	10	1
Número	3	6	8	7	4	9
Valor total	300,000	60,000	8,000	700	40	9

Forma normal: 368,749

En palabras: trescientos sesenta y ocho mil, setecientos cuarenta y nueve

Forma desarrollada: 300,000 + 60,000 + 8,000 + 700 + 40 + 9

Posición	Millares			Unidades		
	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
Valor de posición	100,000	10,000	1,000	100	10	1
Número						
Valor total						

Forma normal: _____

En palabras: _____

Forma desarrollada: _____

Posición	Millares			Unidades		
	Centenas de millar	Decenas de millar	Unidades de millar	Centenas	Decenas	Unidades
Valor de posición	100,000	10,000	1,000	100	10	1
Número						
Valor total						

Forma normal: _____

En palabras: _____

Forma desarrollada: _____

	0	1	2	3	4	5	6	7	8	9
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										

	0	1	2	3	4	5	6	7	8	9	10	11	12
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

×	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

×	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
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5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
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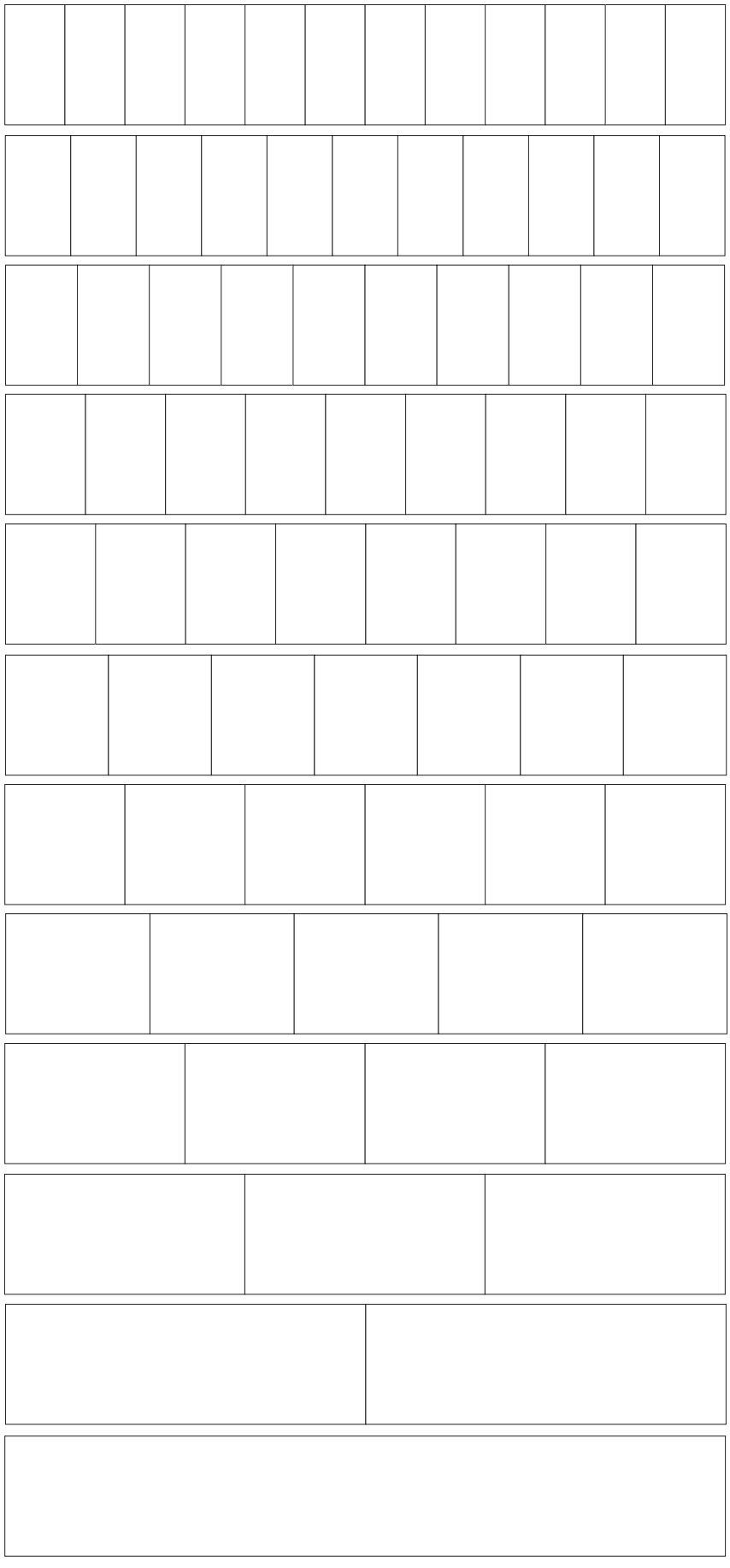
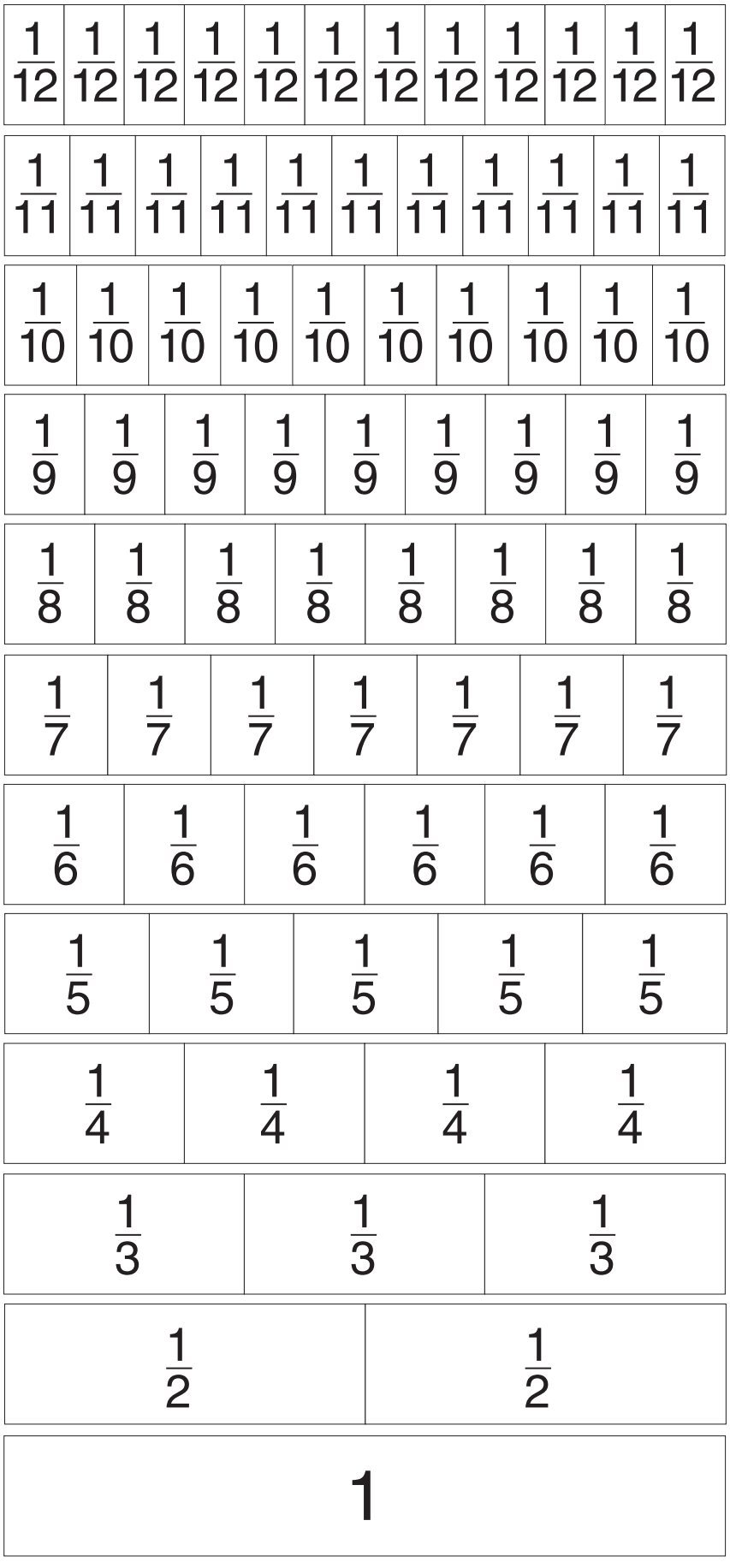
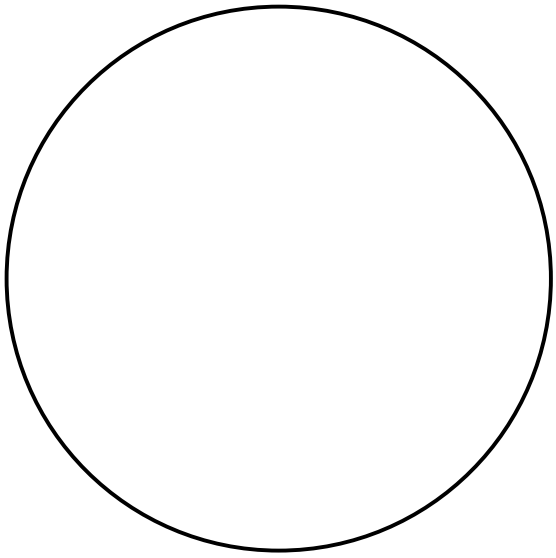
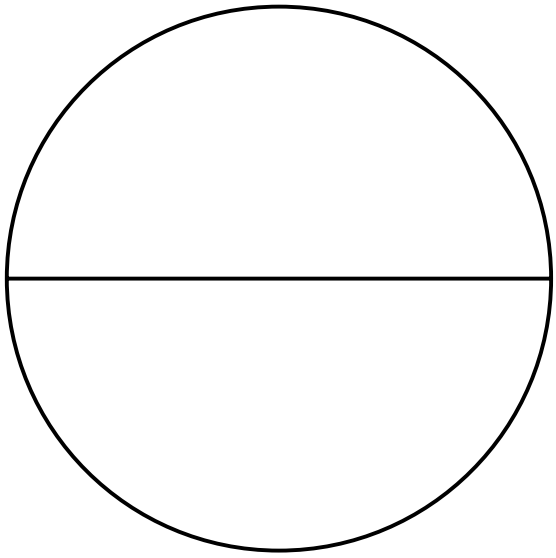
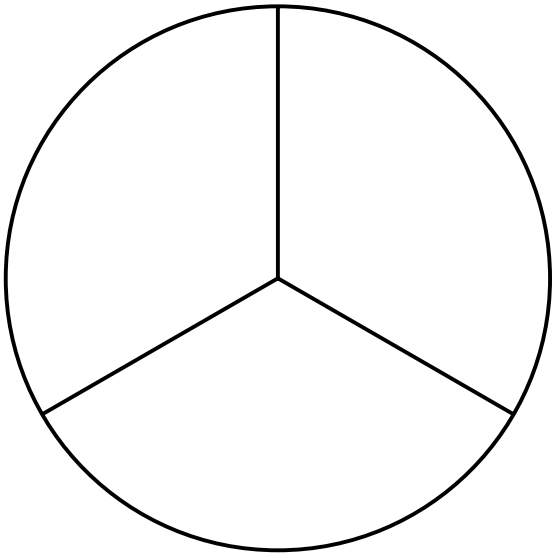
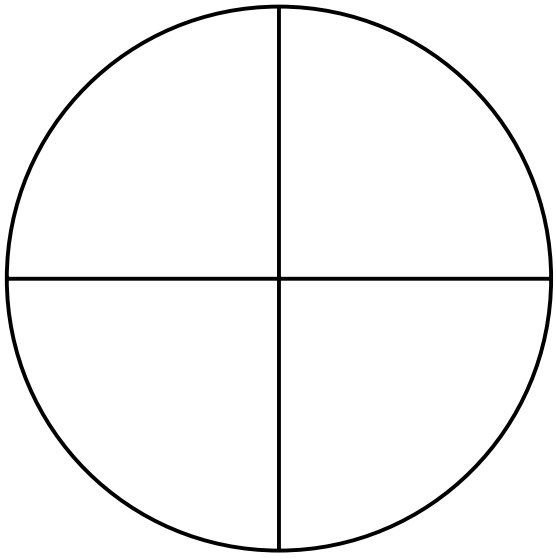


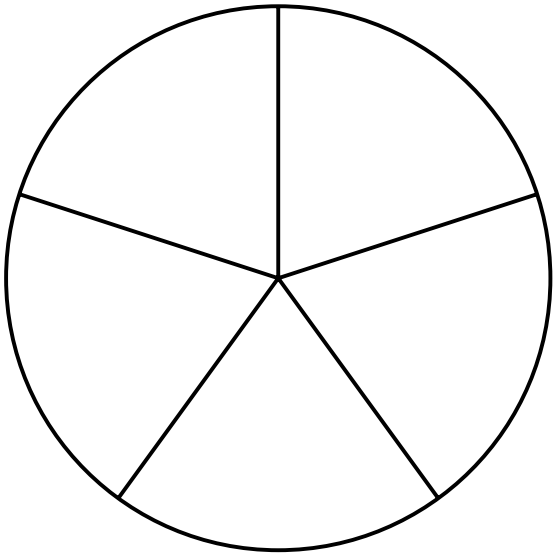


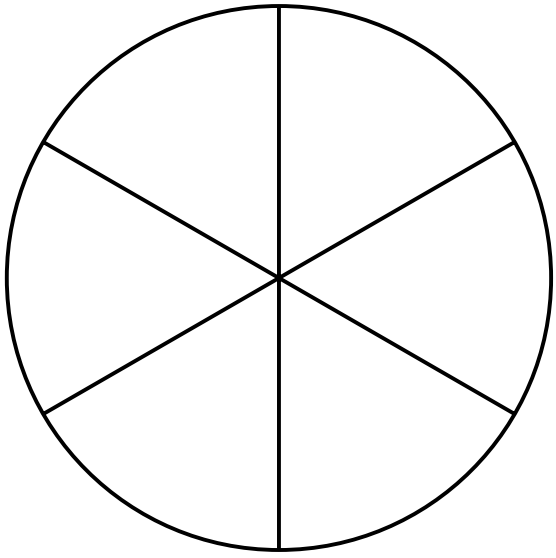


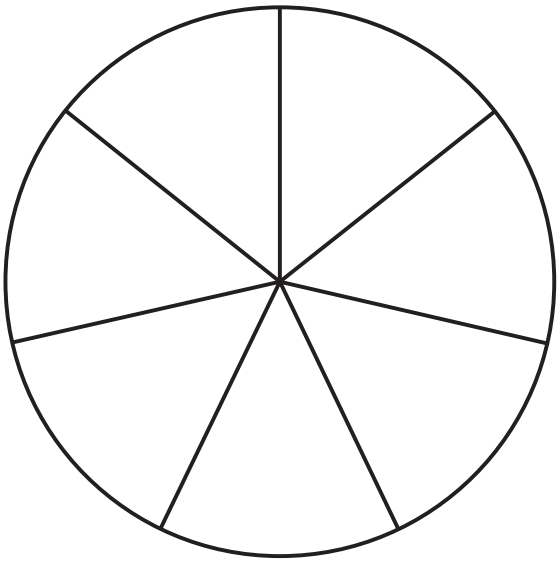


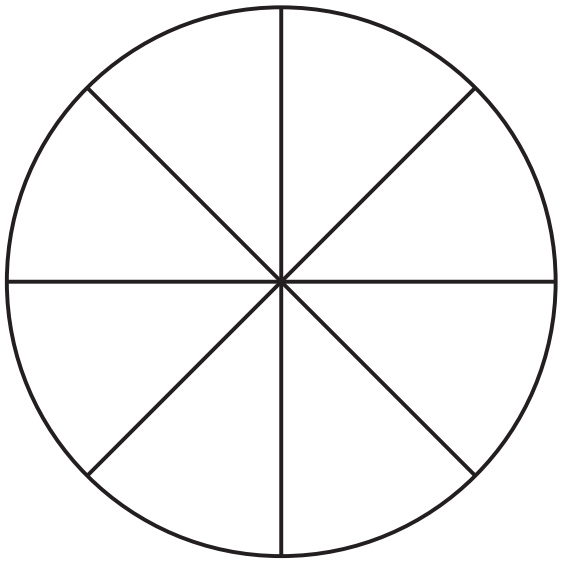


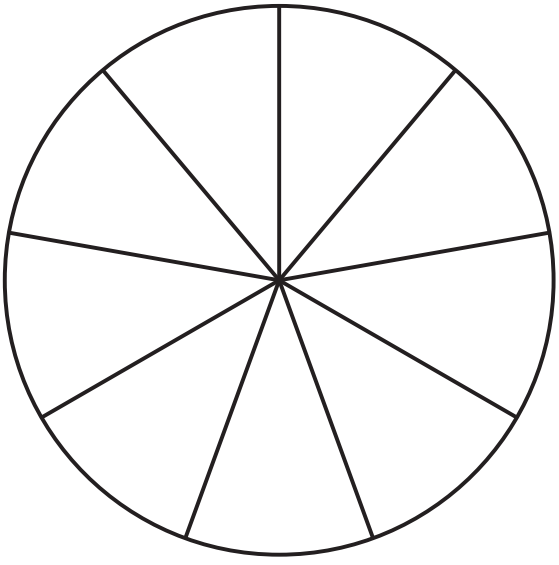


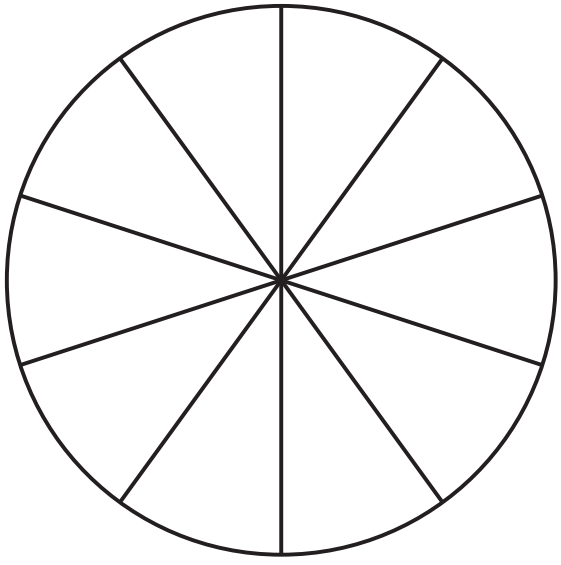


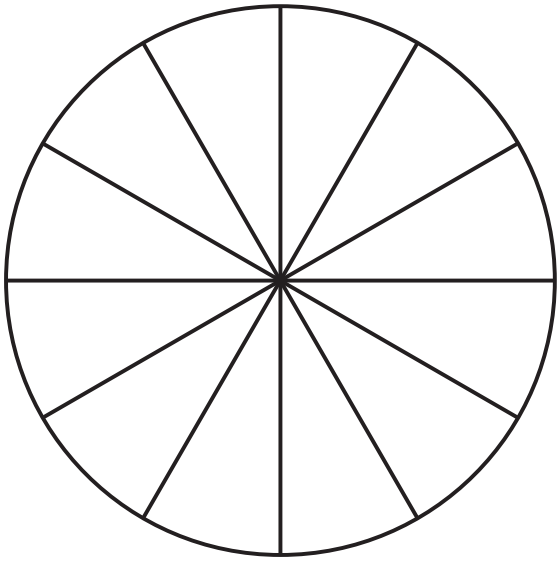


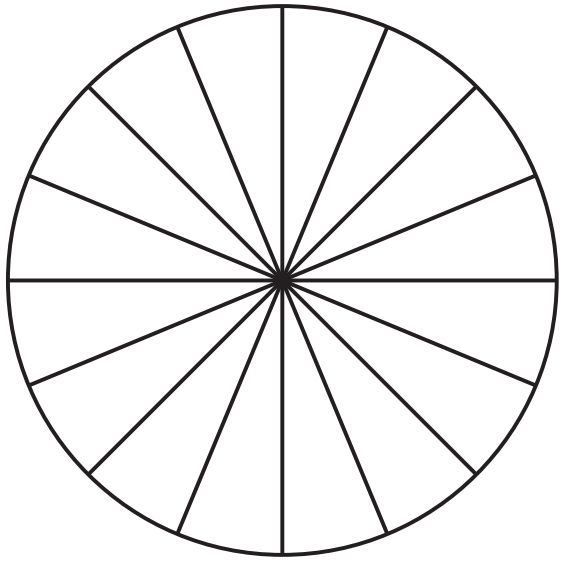


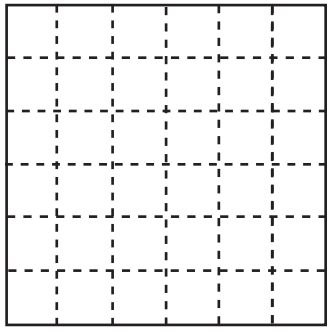


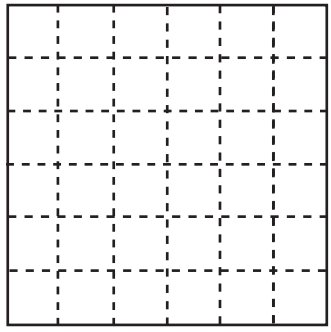


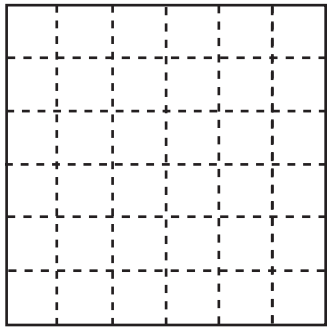


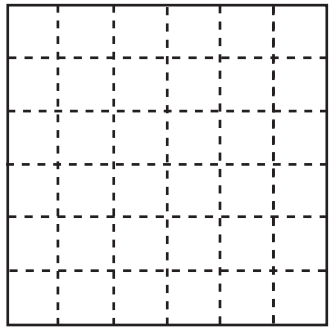


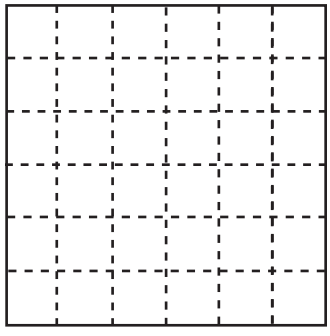


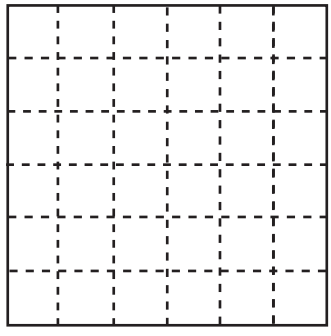


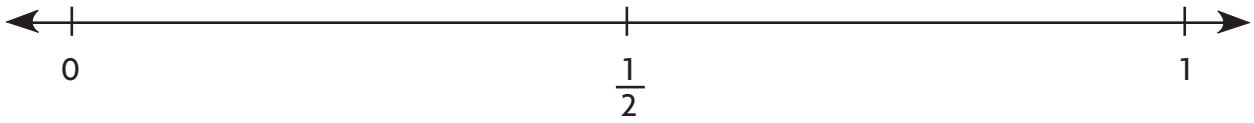


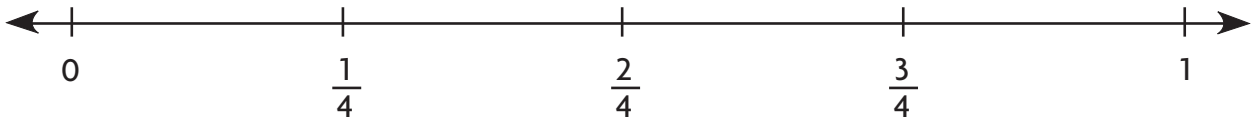


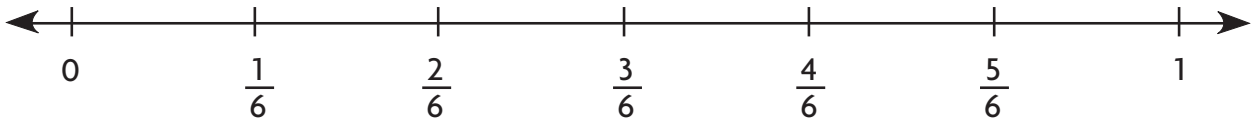


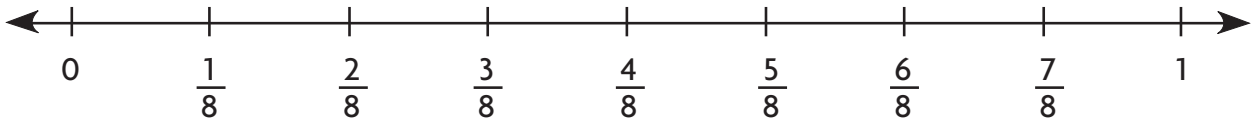


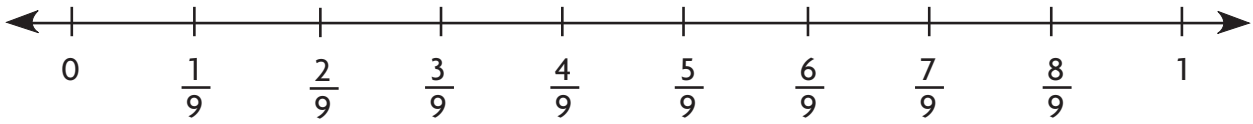


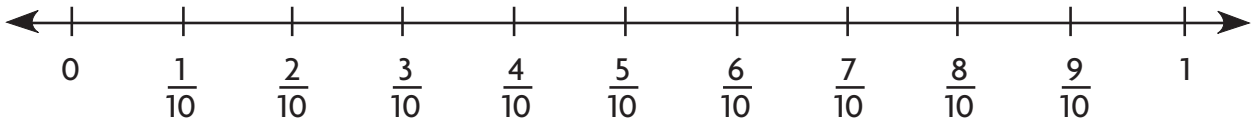


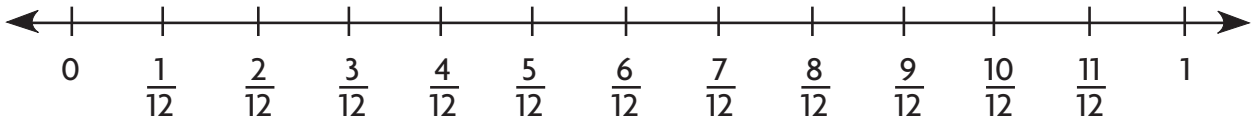


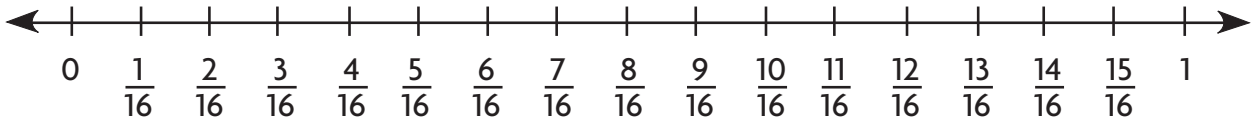


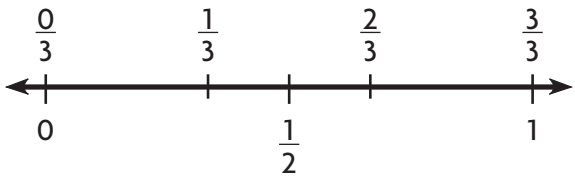


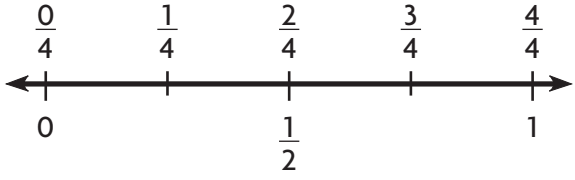


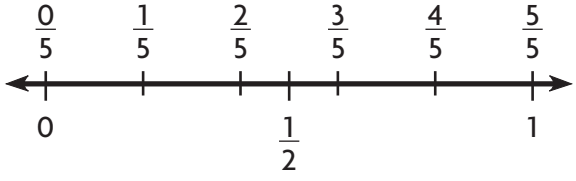


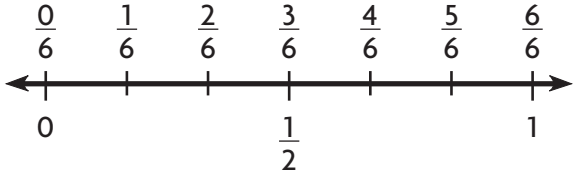


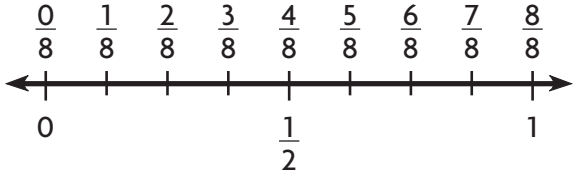


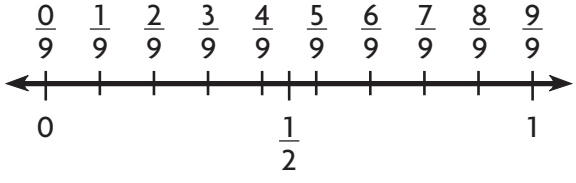


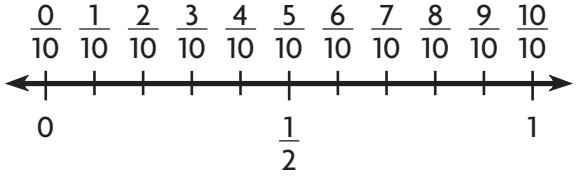


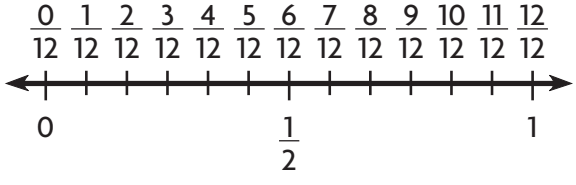


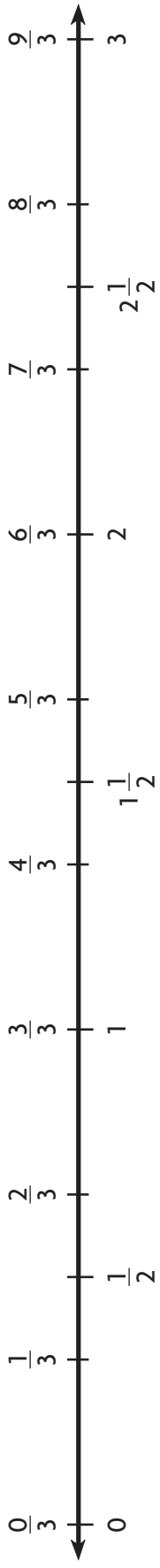


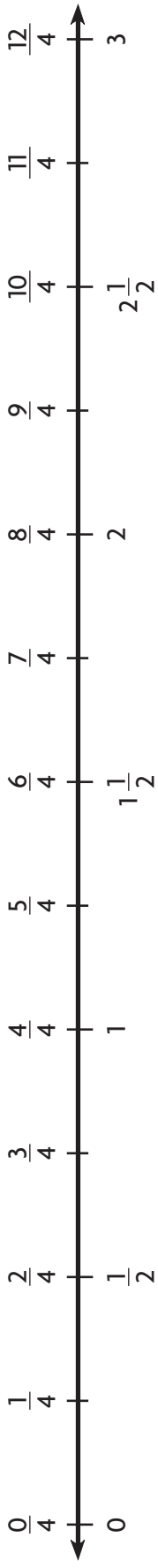


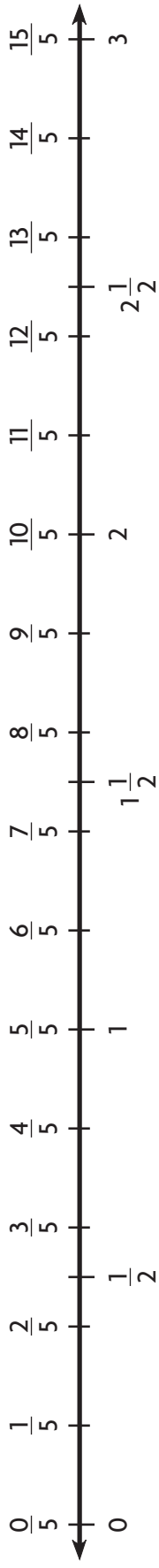


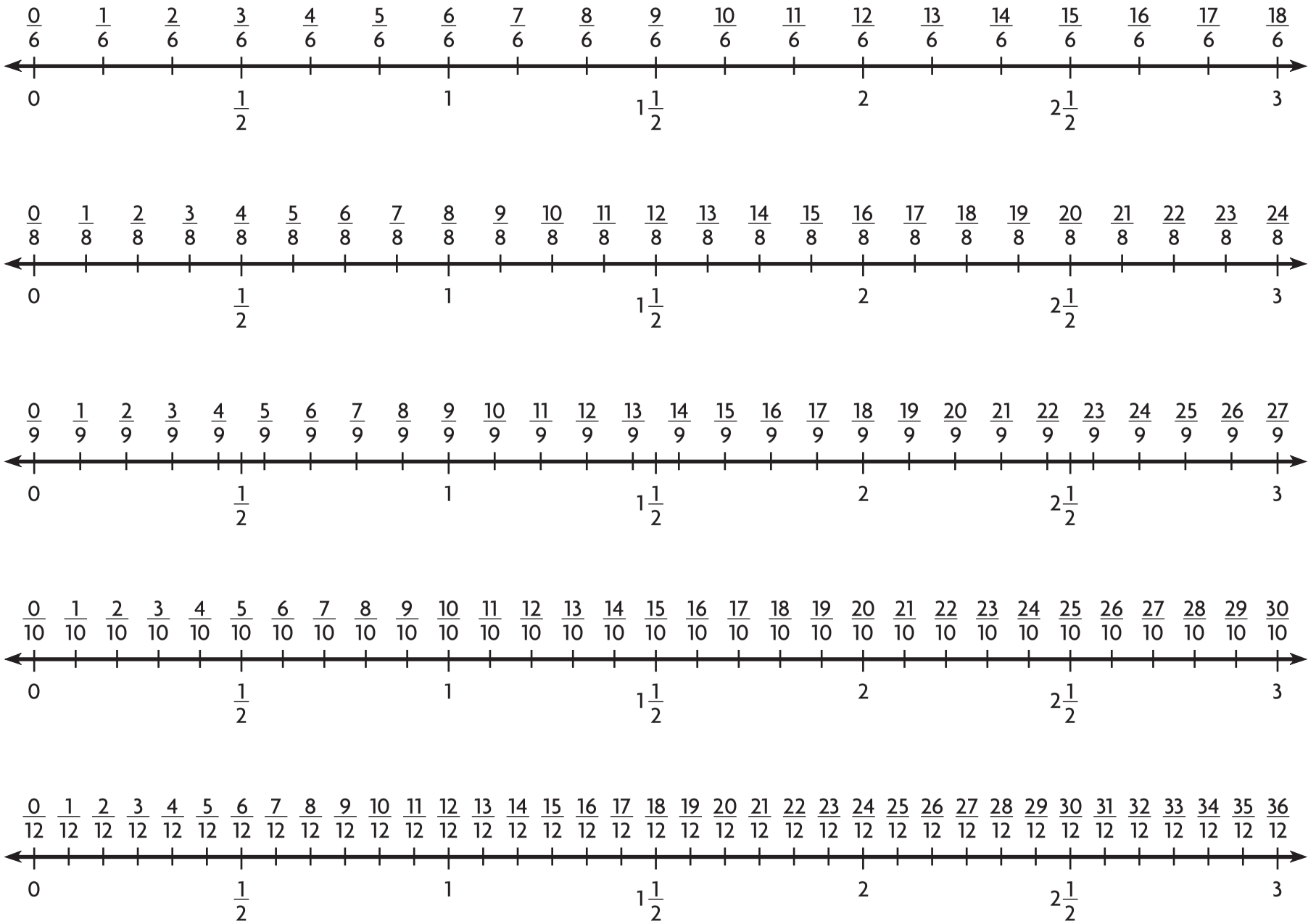


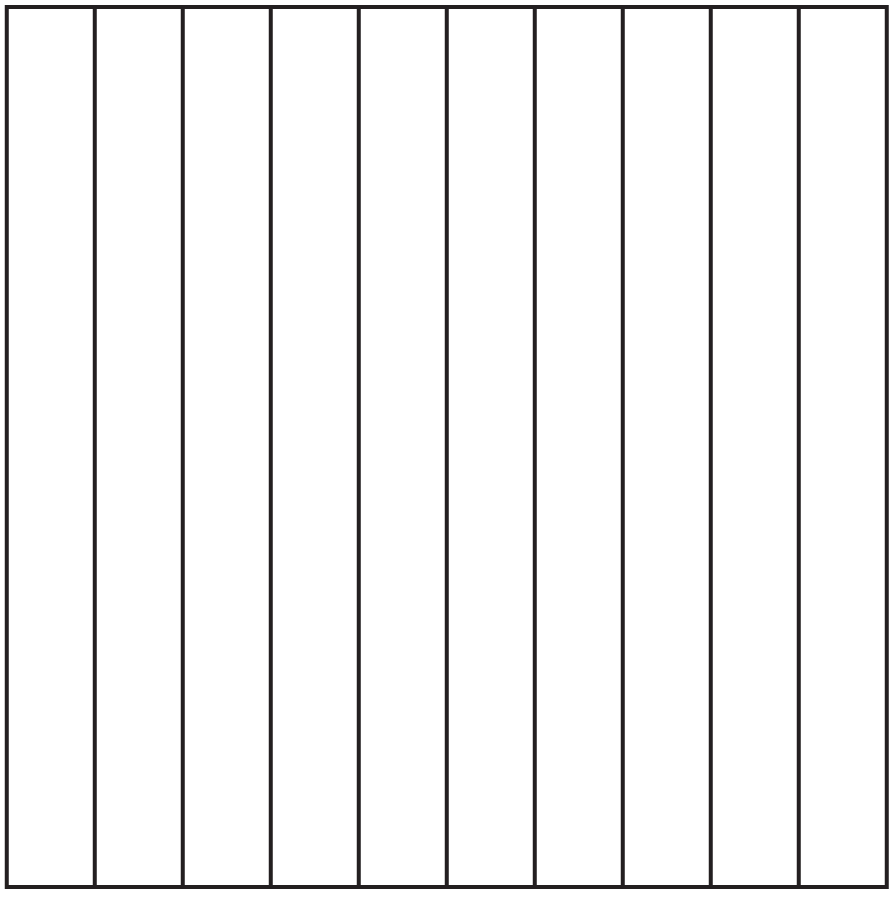


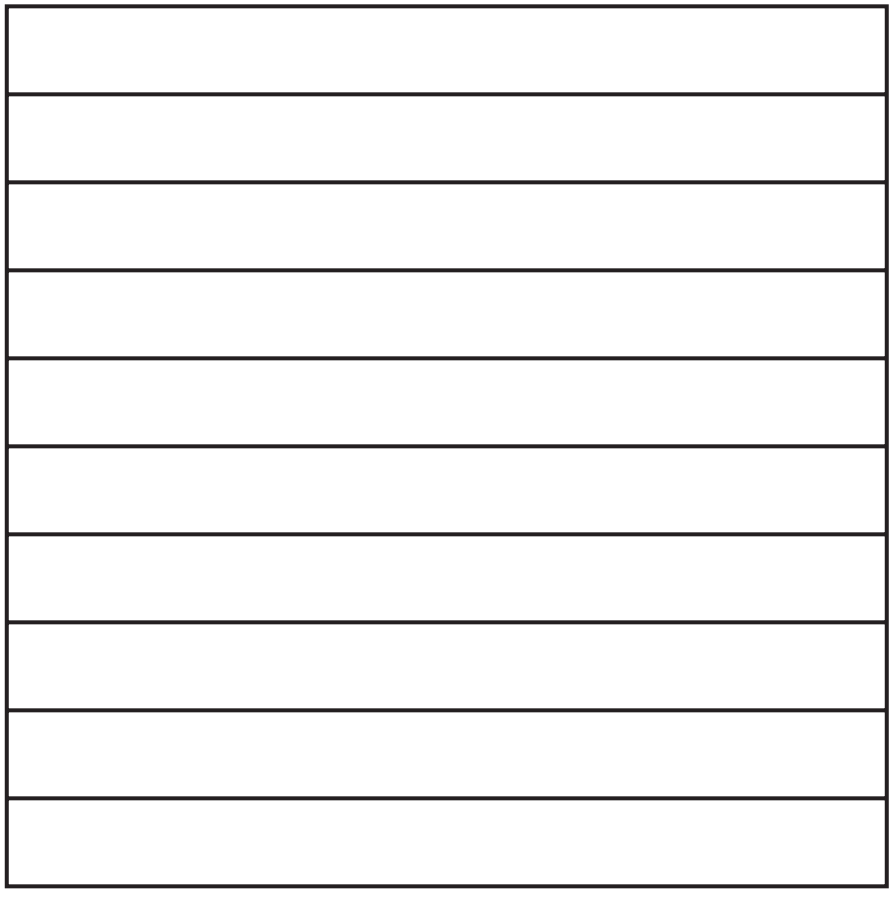


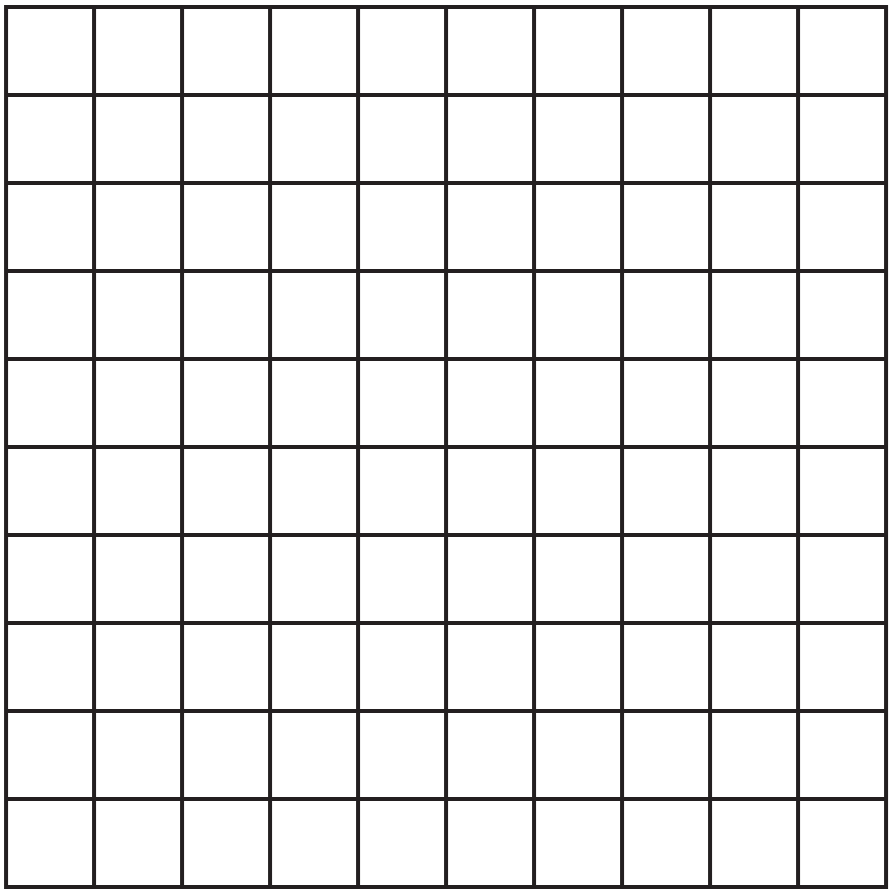


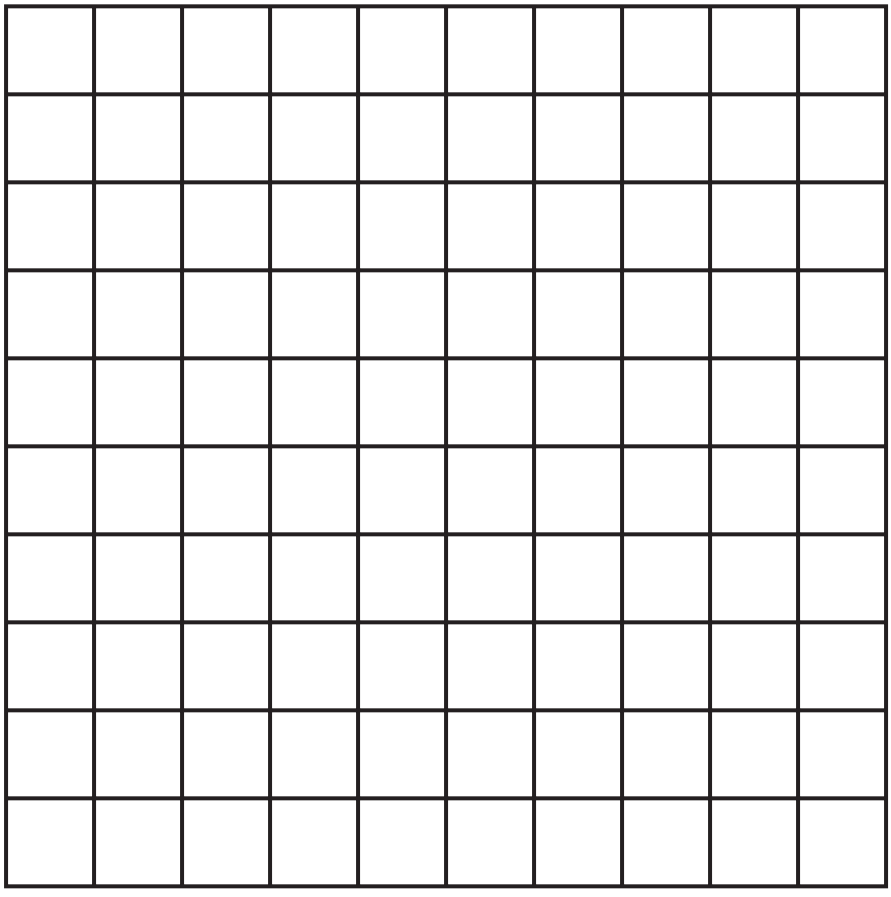


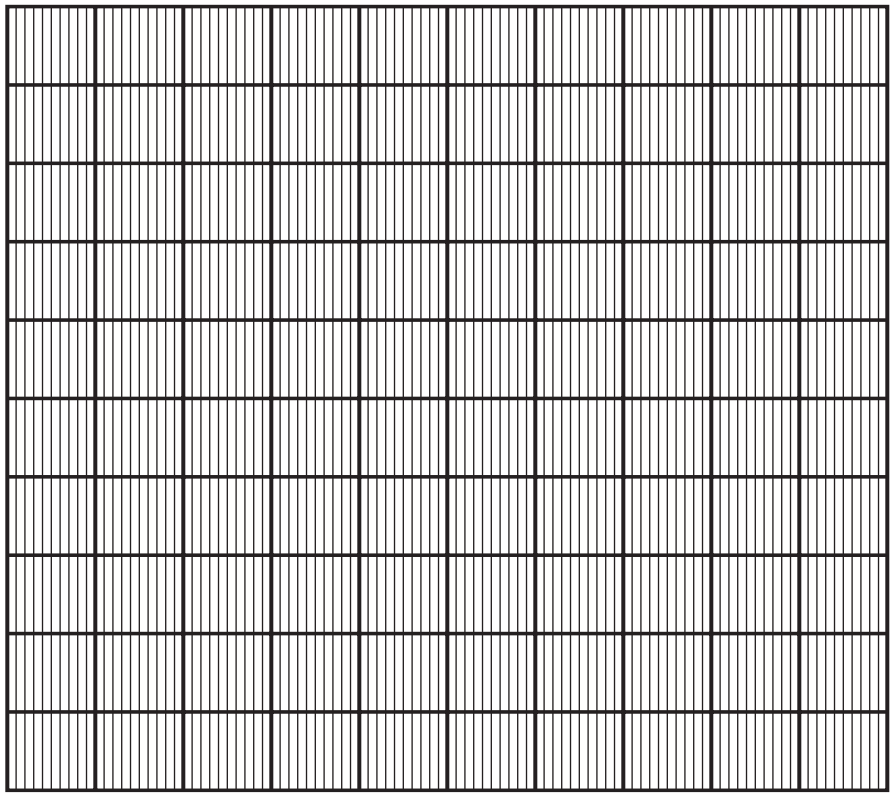


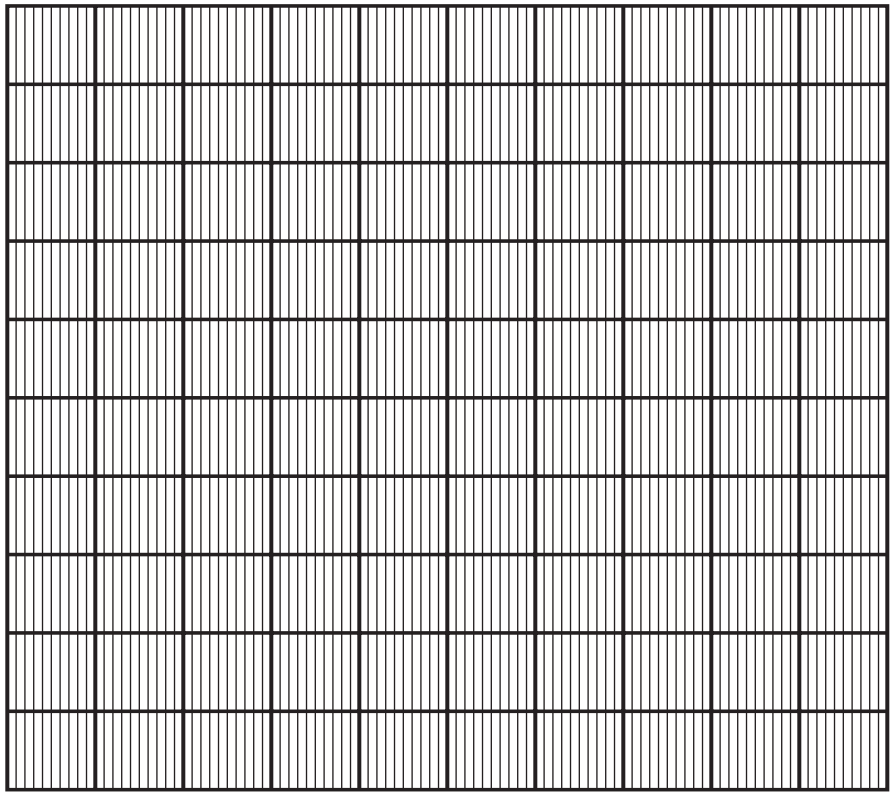


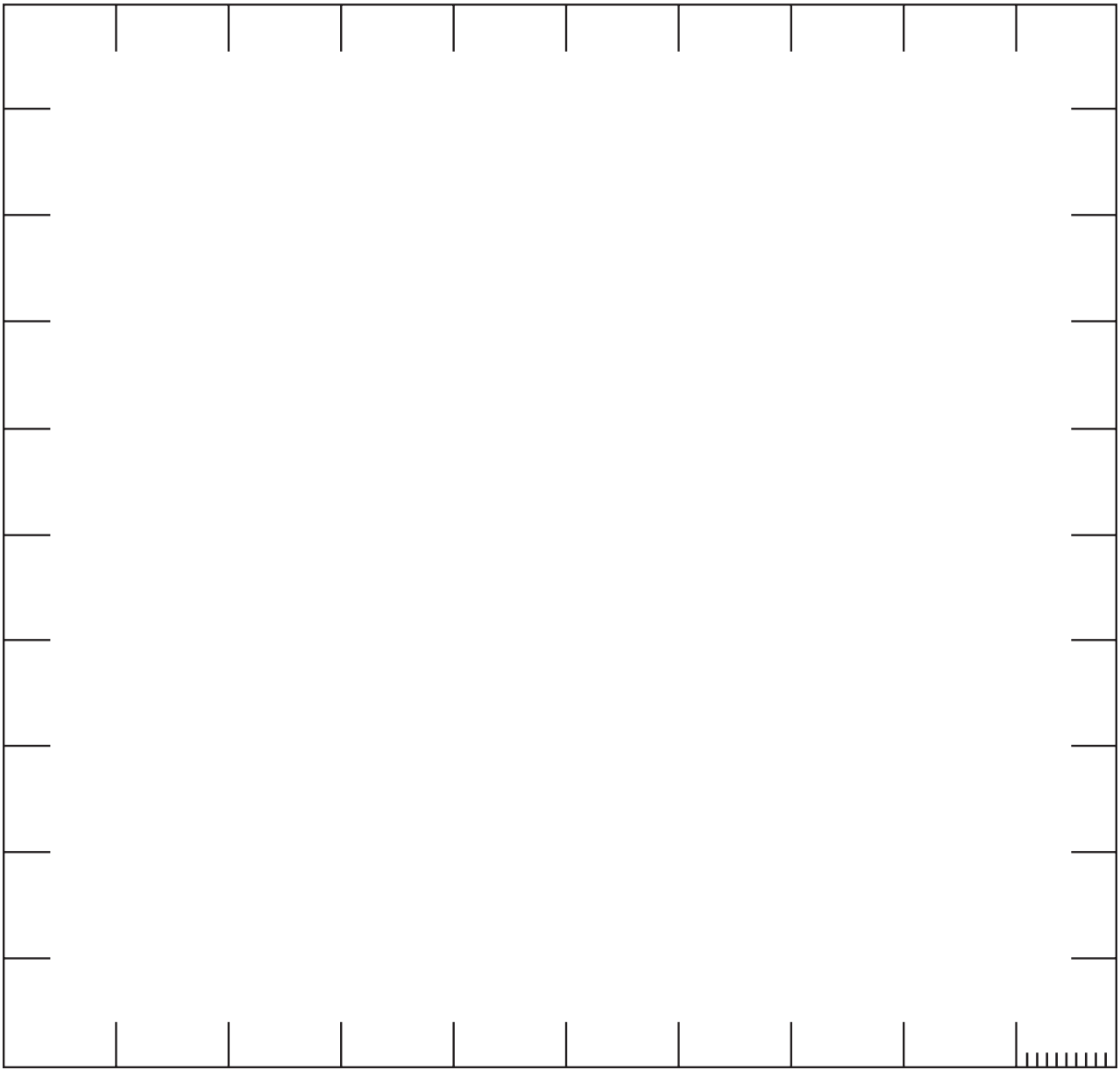


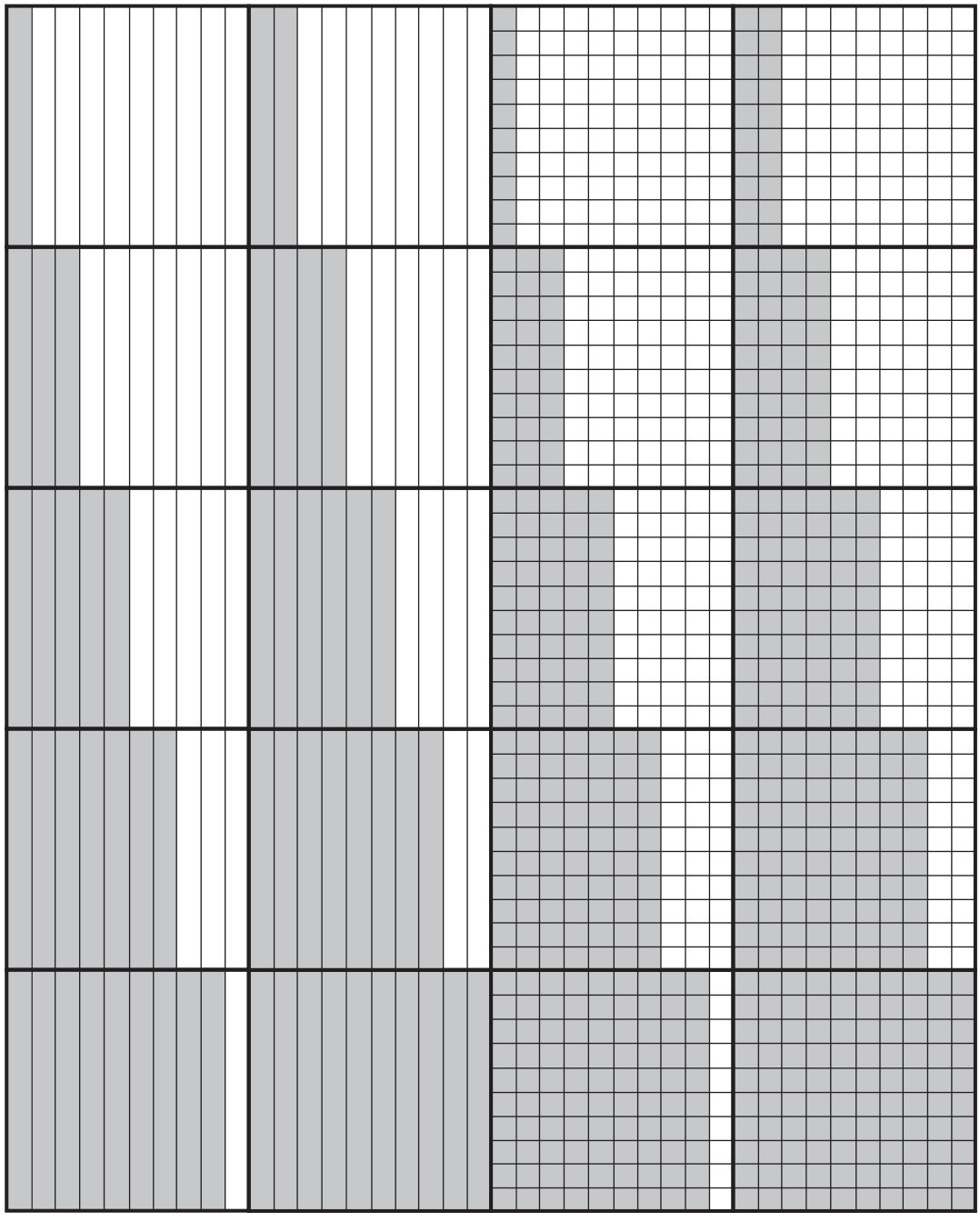


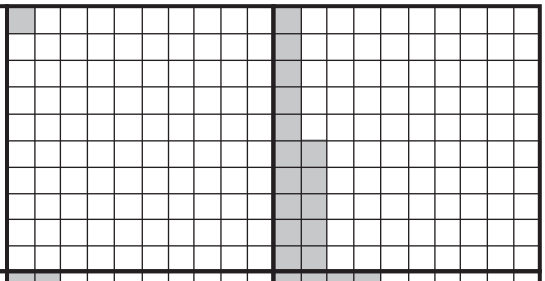
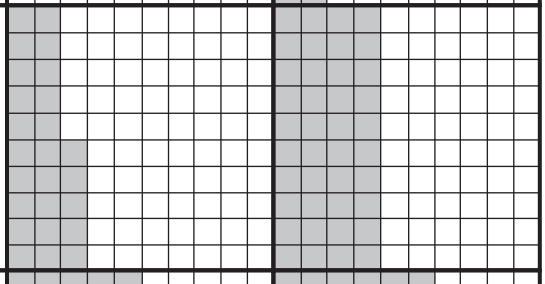
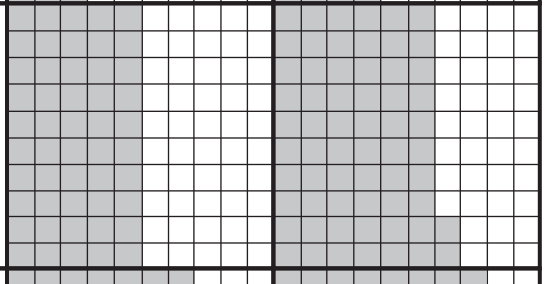
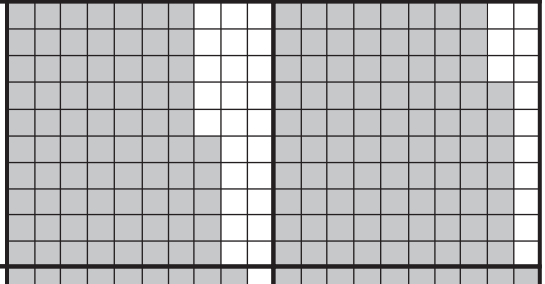
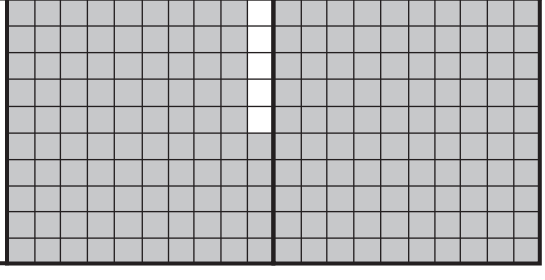


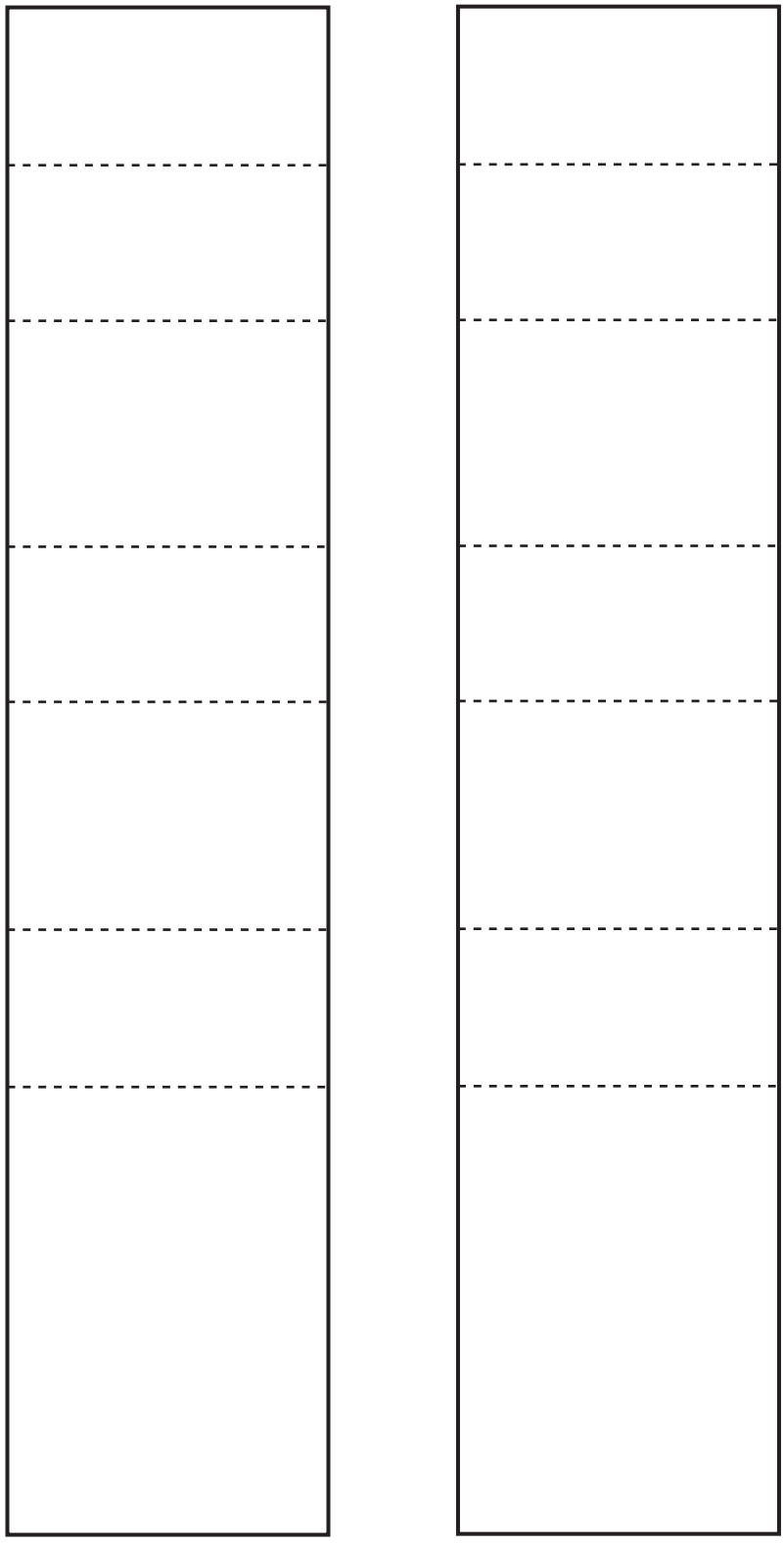








1%	15%	
25%	40%	
50%	62%	
75%	87%	
95%	100%	



0.1

0.2

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Demonstration Whole Number and Decimal Secret Code Cards, front

Demonstration Whole Number and Decimal Secret Code Cards, back

0.7

0.5

0.8

0.6

Demonstration Whole Number and Decimal Secret Code Cards, front

Demonstration Whole Number and Decimal Secret Code Cards, back

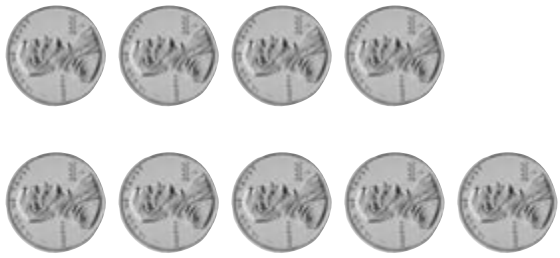
60.0

60.09

60.0

60.9

Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

0.2

0.02

0.1

0.01

Demonstration Whole Number and Decimal Secret Code Cards, front

Demonstration Whole Number and Decimal Secret Code Cards, back

0.04

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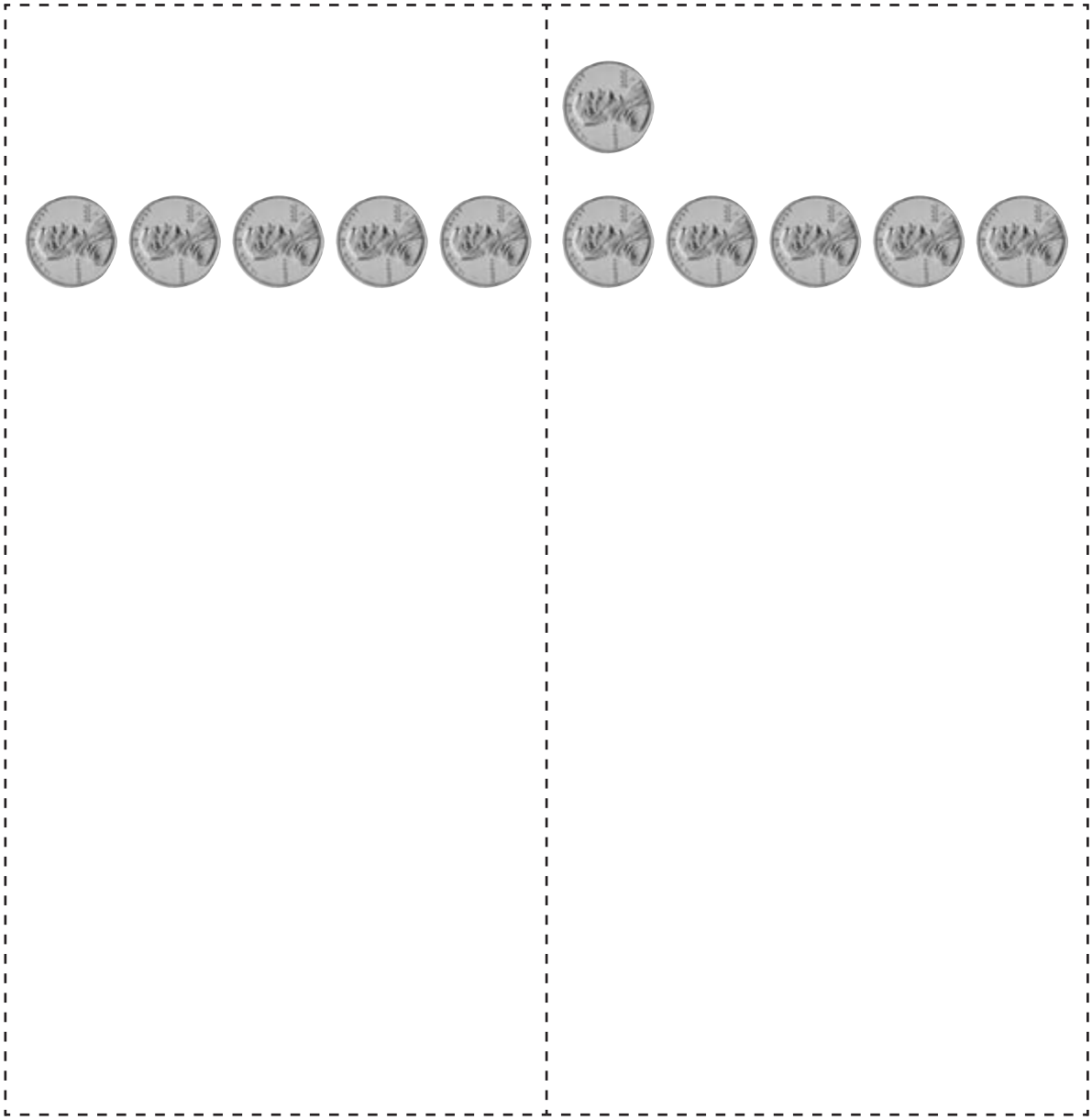
Demonstration Whole Number and Decimal Secret Code Cards, front

Demonstration Whole Number and Decimal Secret Code Cards, back

90.06	50.05

Demonstration Whole Number and Decimal Secret Code Cards, front

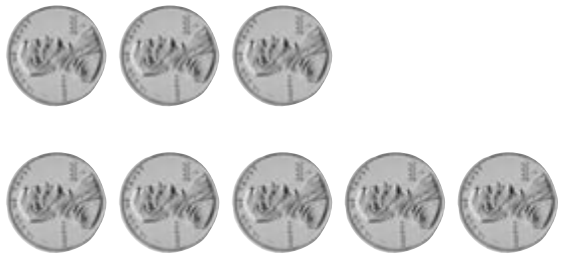


Demonstration Whole Number and Decimal Secret Code Cards, back

0.07

0.08

Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

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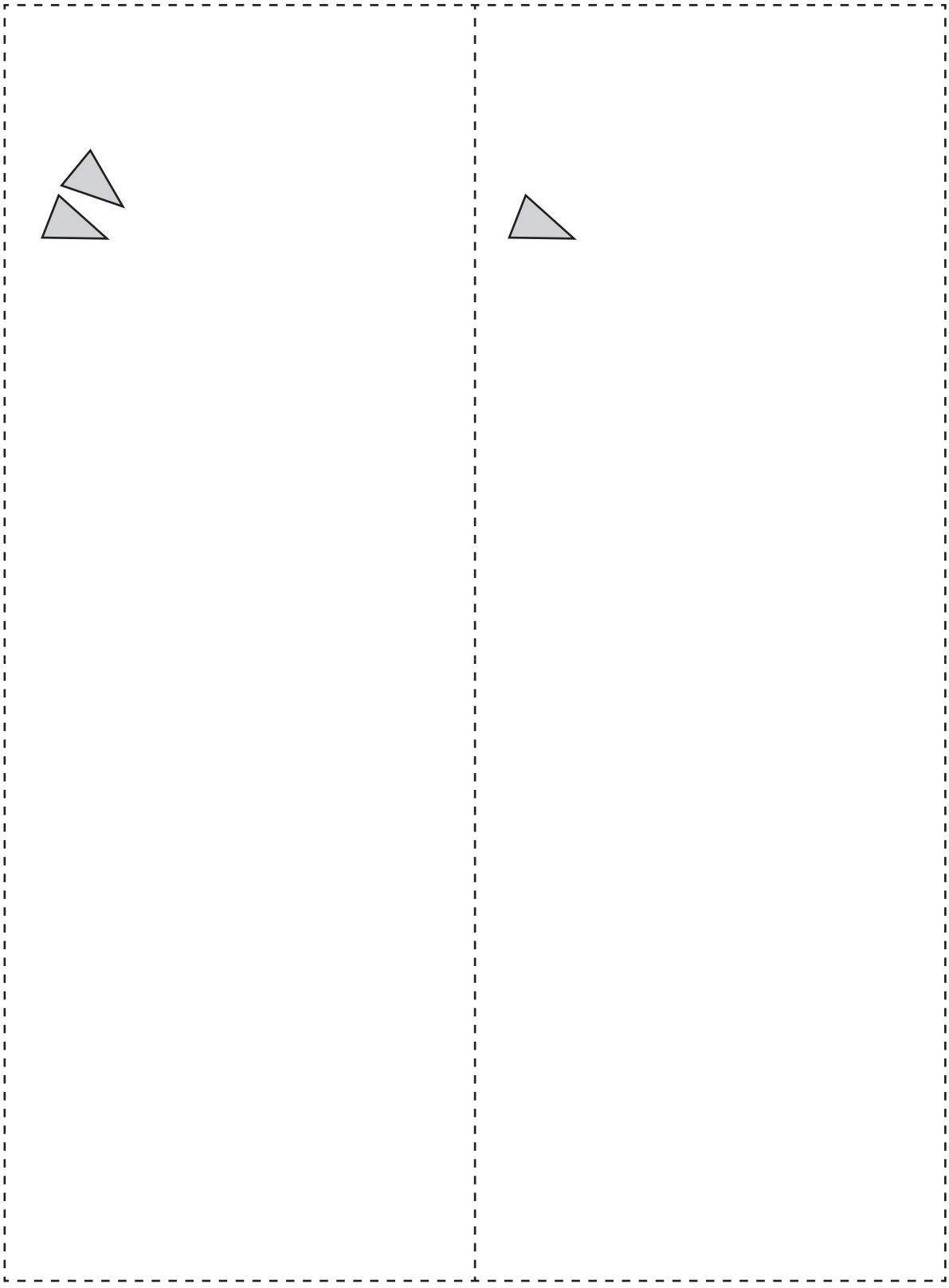
0.002

2

Demonstration Whole Number and Decimal Secret Code Cards, front

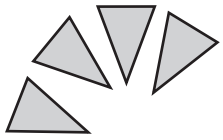


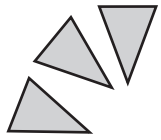
Demonstration Whole Number and Decimal Secret Code Cards, back

0.003

0.004

Demonstration Whole Number and Decimal Secret Code Cards, front



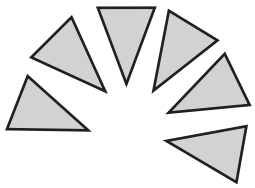


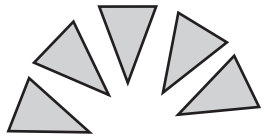
Demonstration Whole Number and Decimal Secret Code Cards, back

0.005

0.006

Demonstration Whole Number and Decimal Secret Code Cards, front



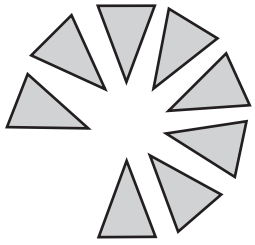


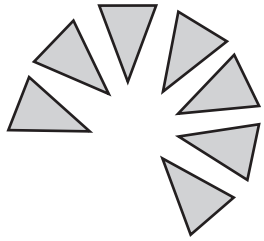
Demonstration Whole Number and Decimal Secret Code Cards, back

0.007

0.008

Demonstration Whole Number and Decimal Secret Code Cards, front





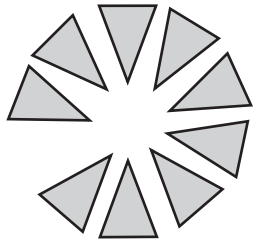
Demonstration Whole Number and Decimal Secret Code Cards, back

0.009

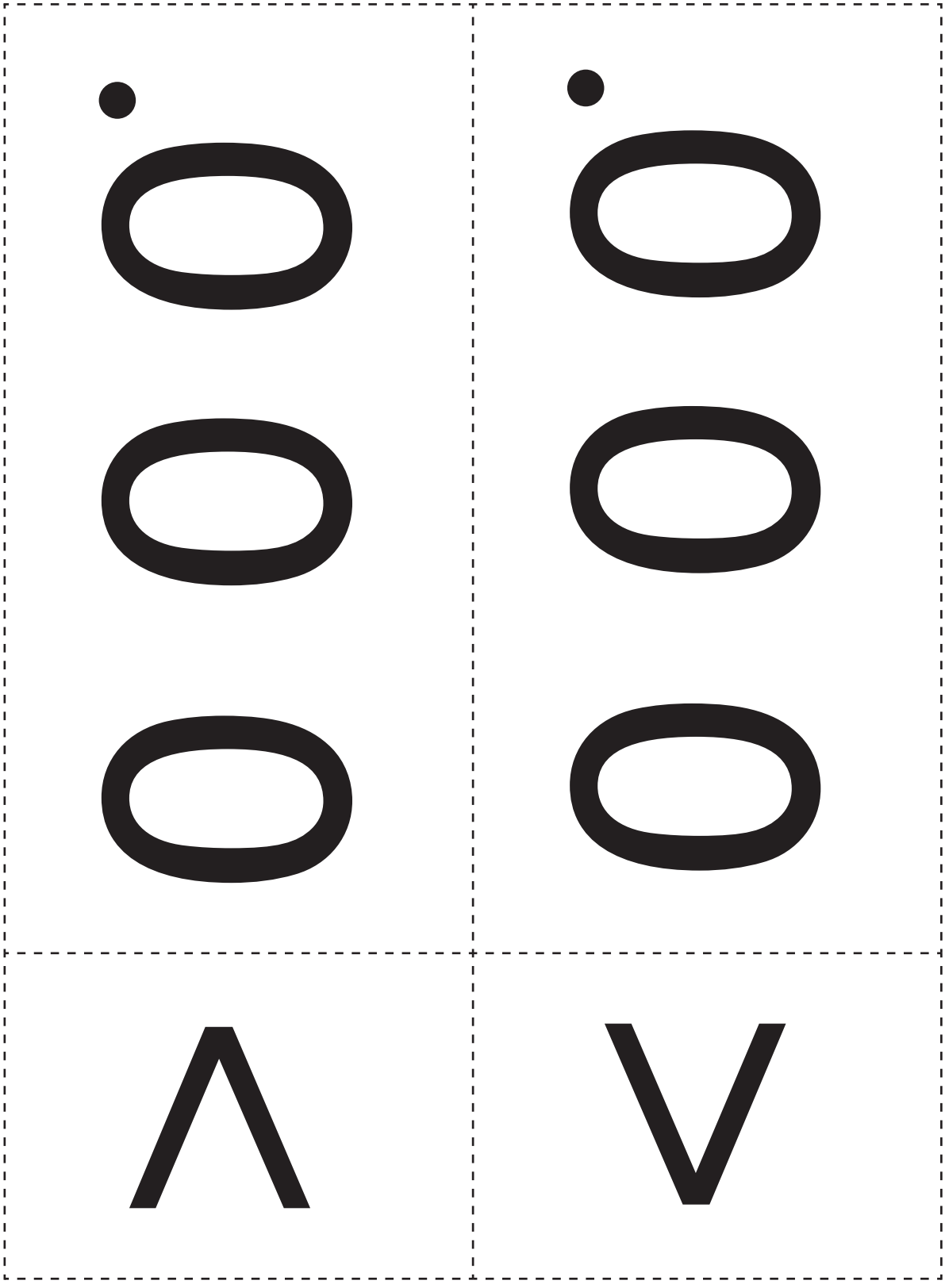
0.009

.00

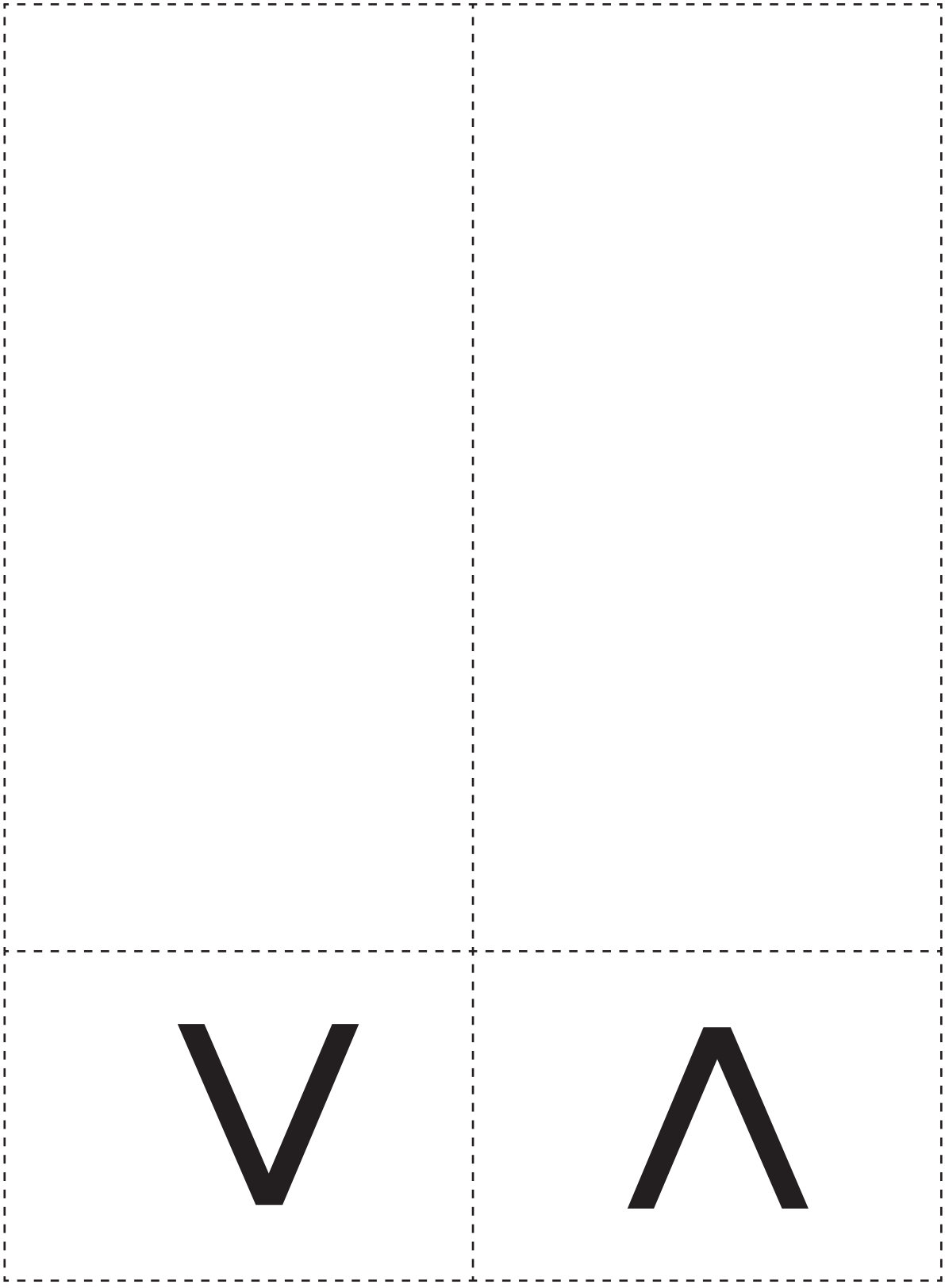
.00



Demonstration Whole Number and Decimal Secret Code Cards, back



Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

10

1

0

30

3

0

20

2

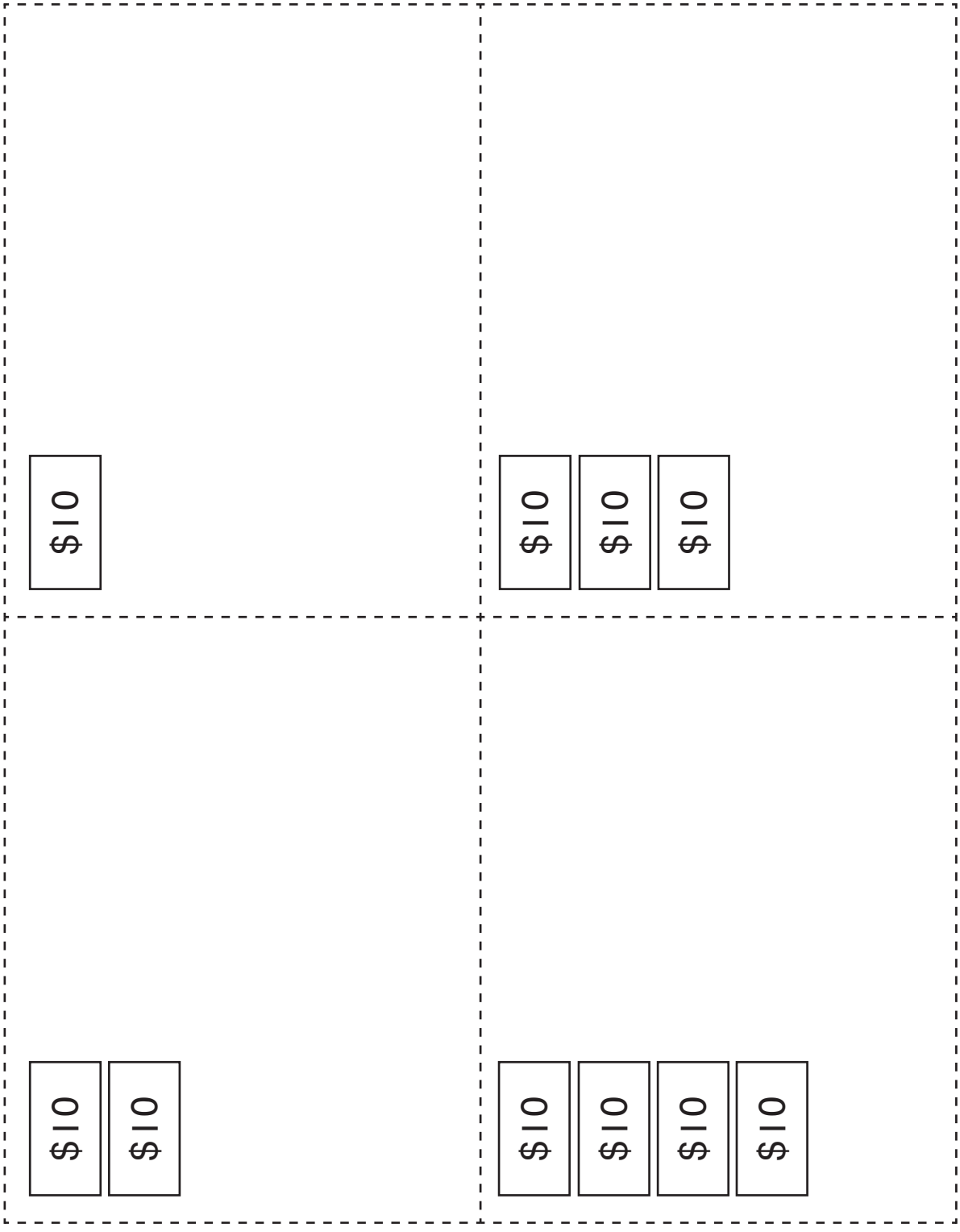
0

40

4

0

Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

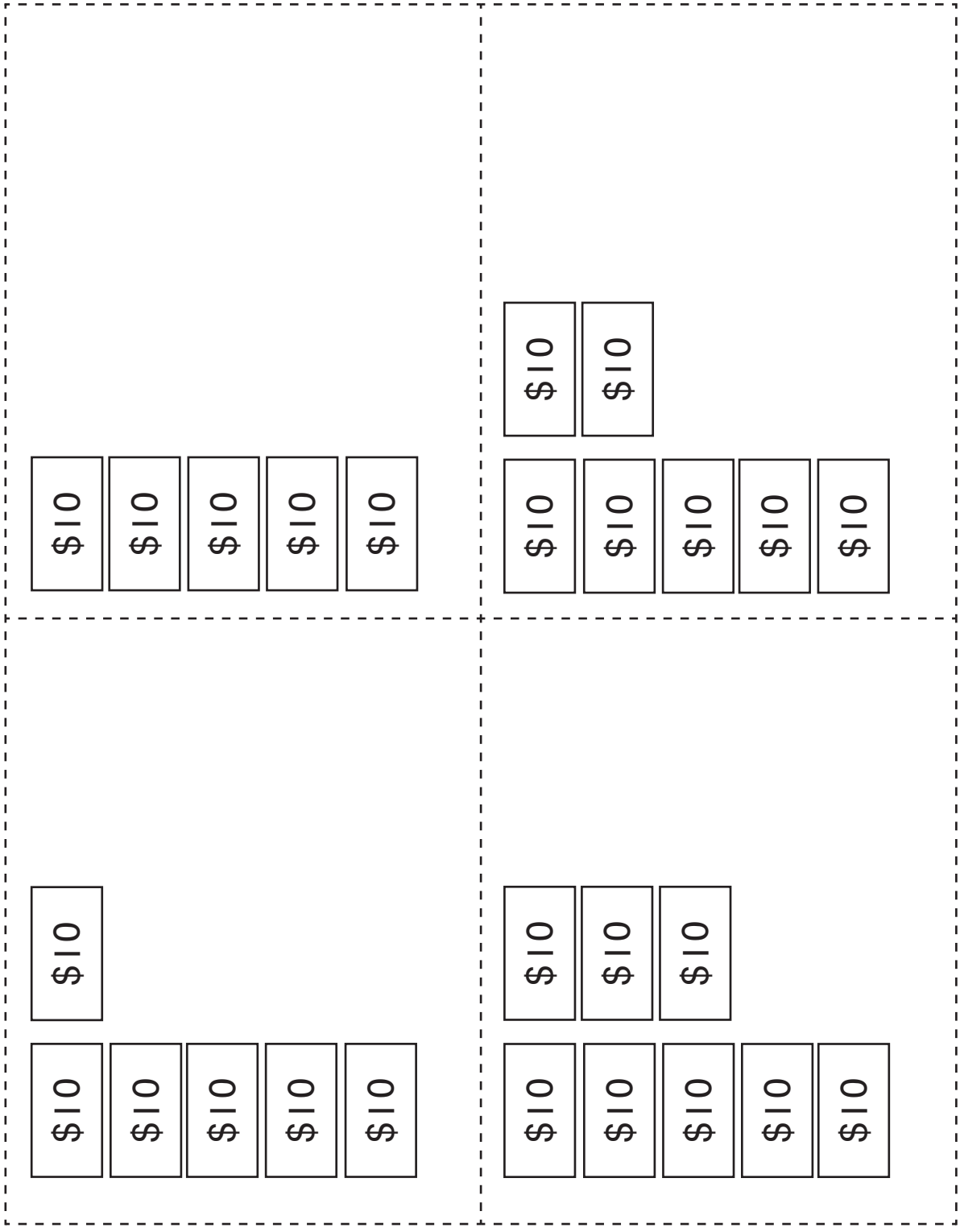
0.5 50

0.7 70

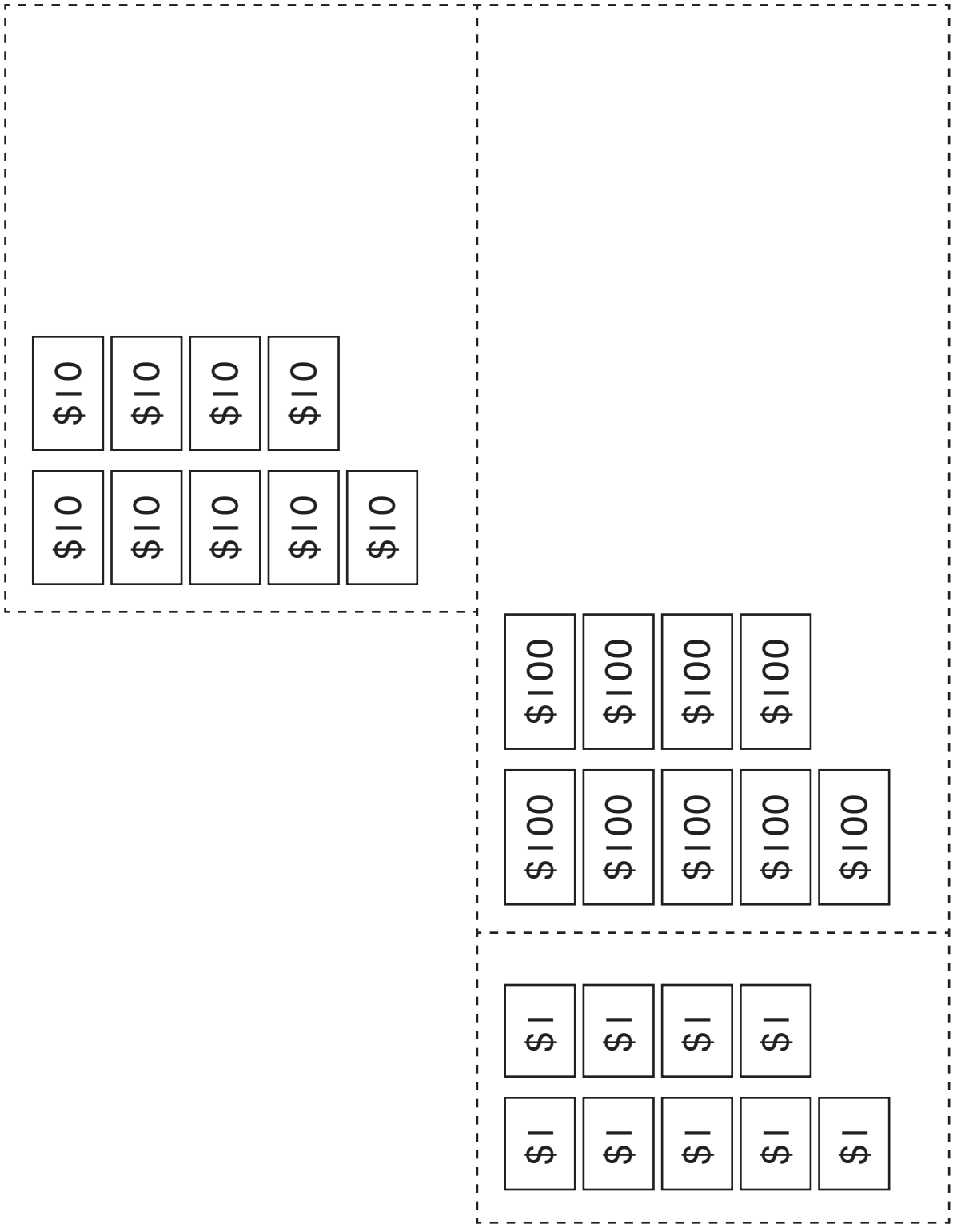
0.9 60

0.8 80

Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

100

1

0

0

200

2

0

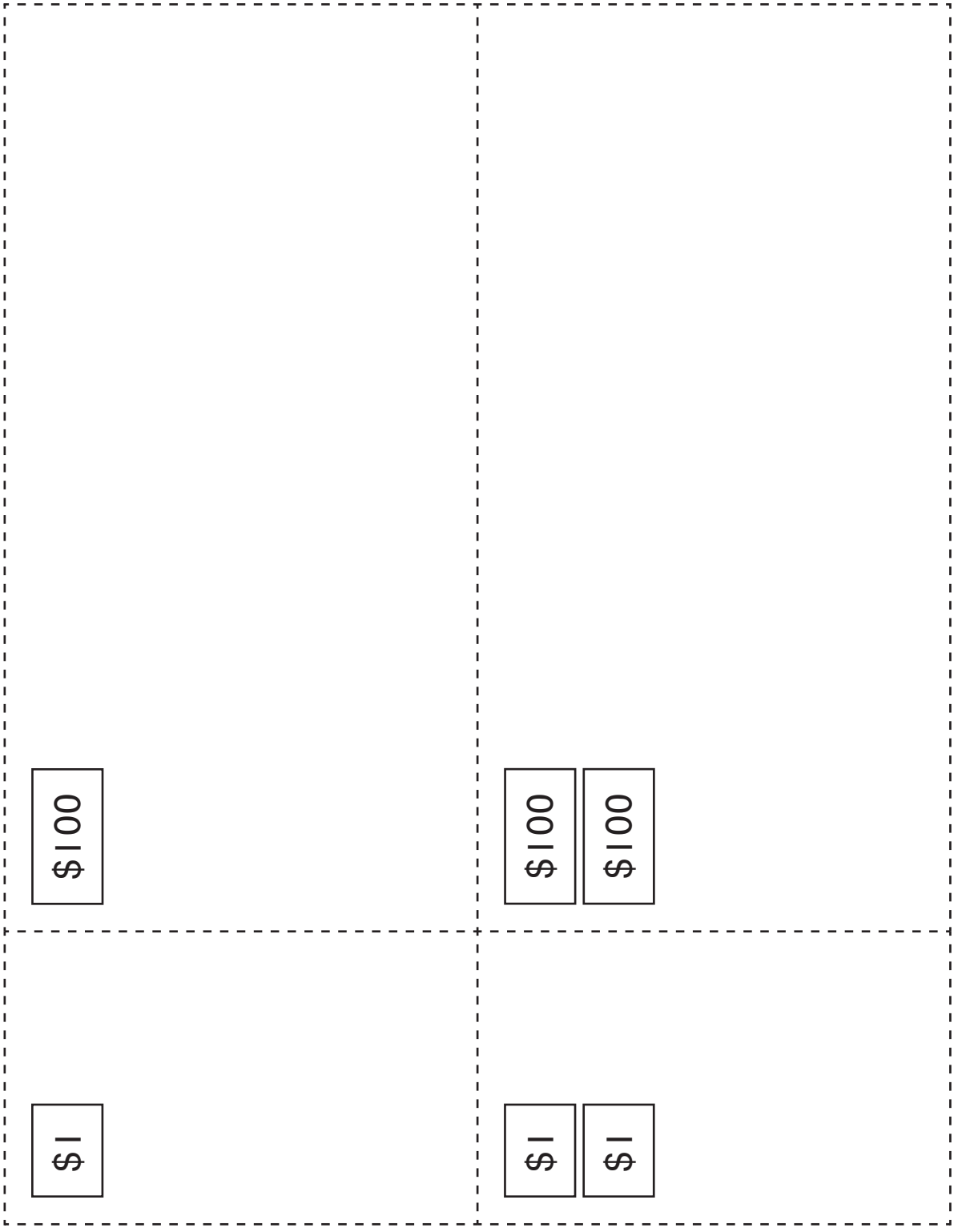
0

10^{2}

1

2^{2}

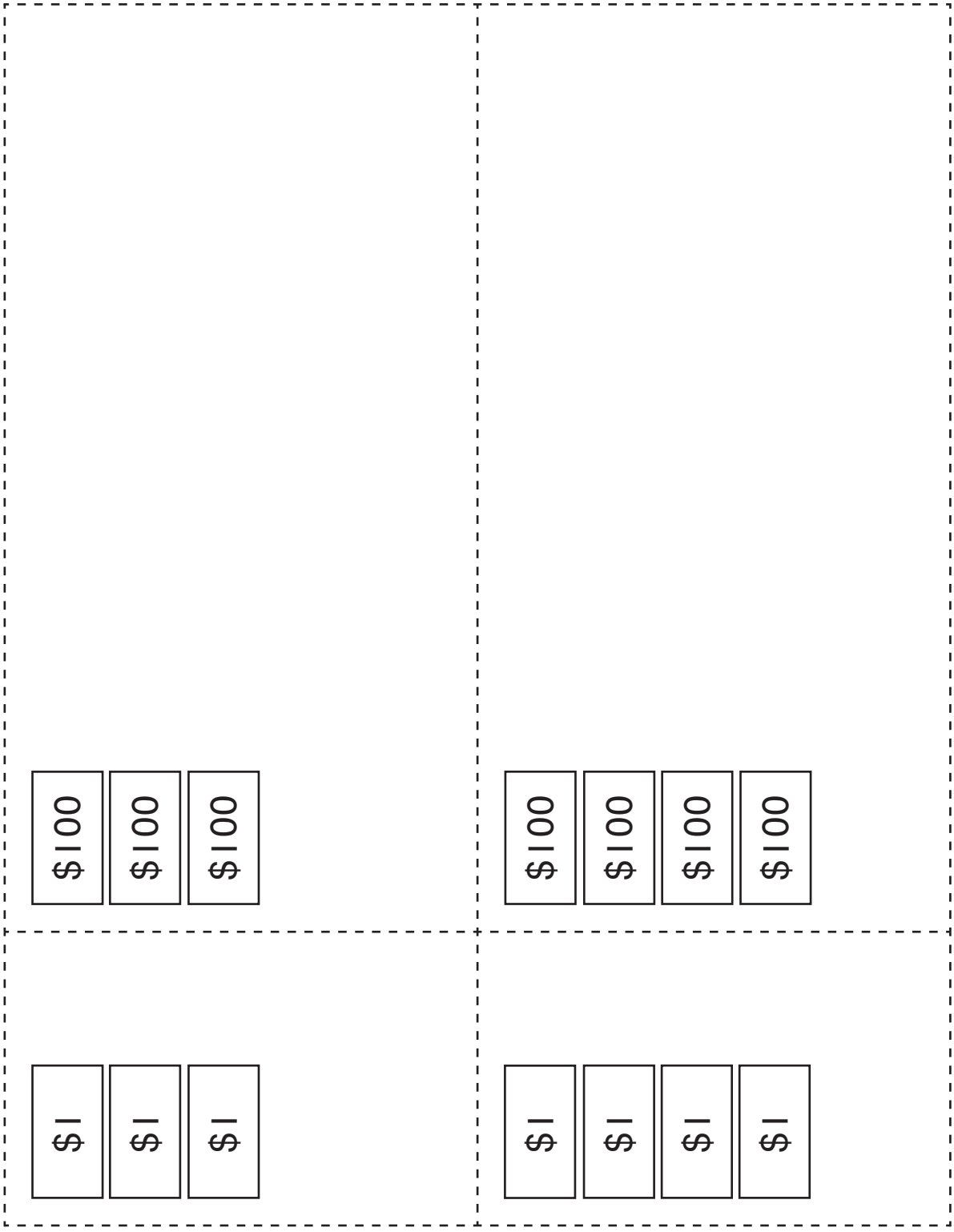
Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

400	300
0	0
0	0
4	3
$4^{}$	$3^{}$

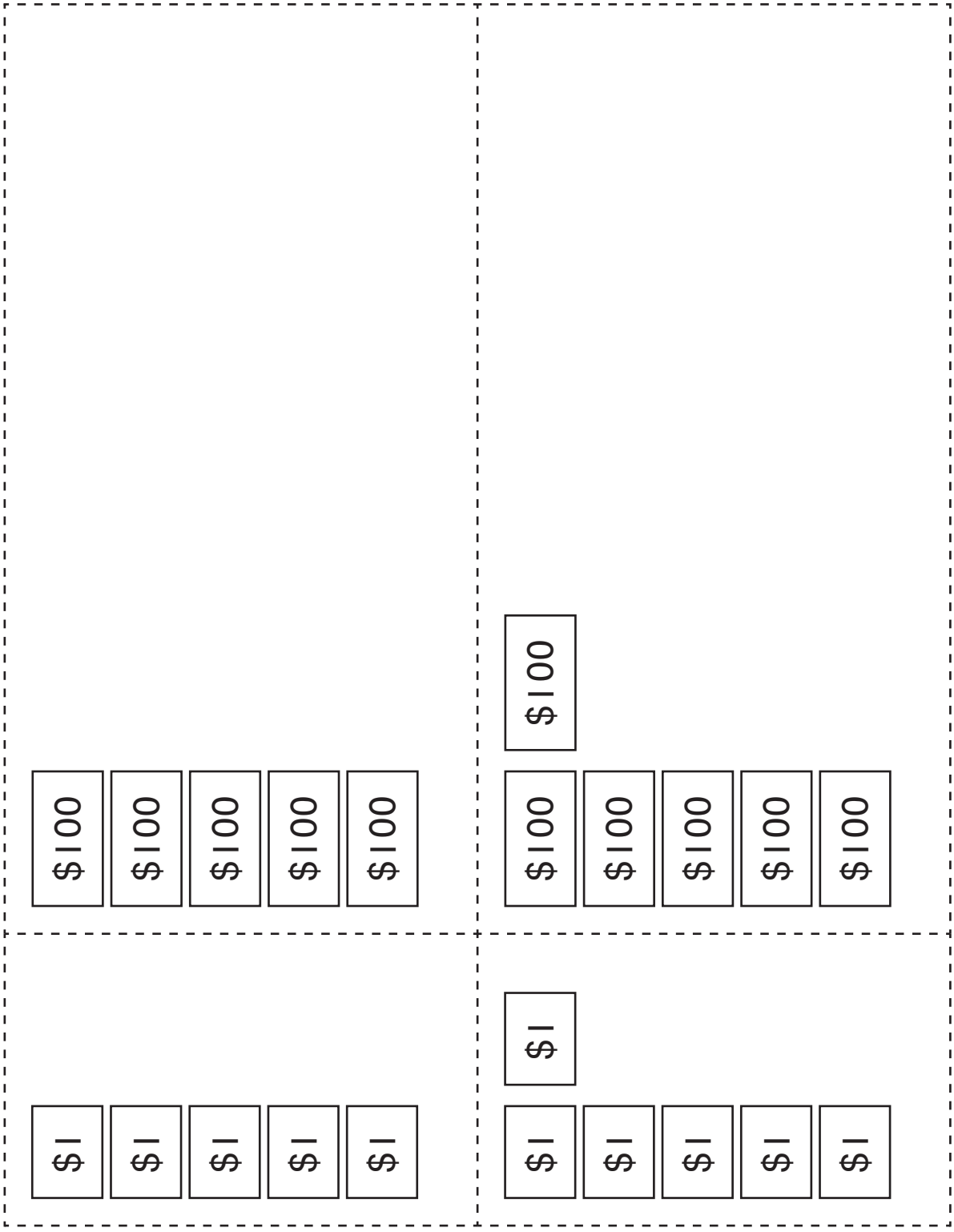
Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

500	600
5 0 0	6 0 0
5	6

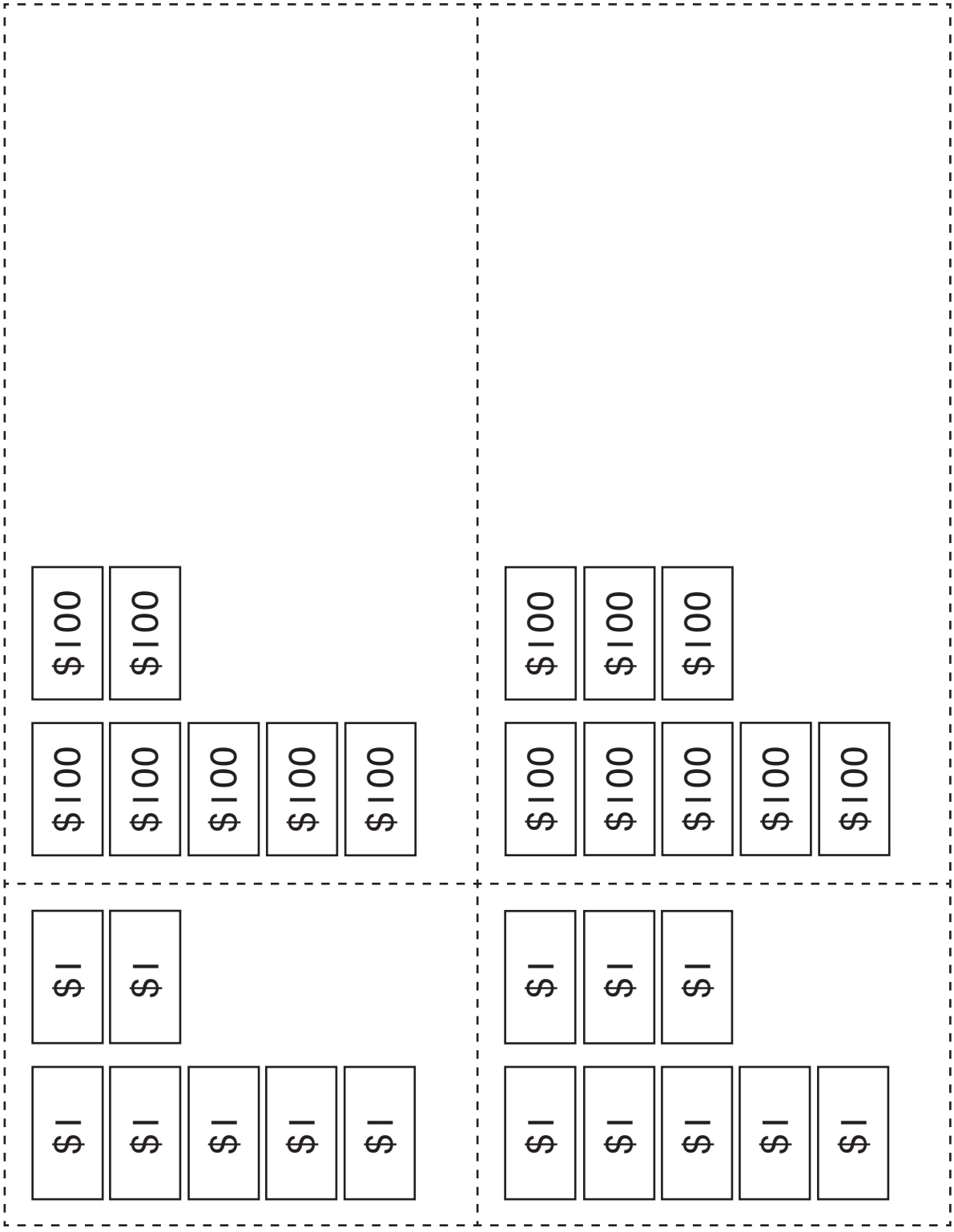
Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

800	700
8	7

Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

1,000

0 0 0 , 1

2,000

0 0 0 , 2

Demonstration Whole Number and Decimal Secret Code Cards, front

$1,000

$1,000

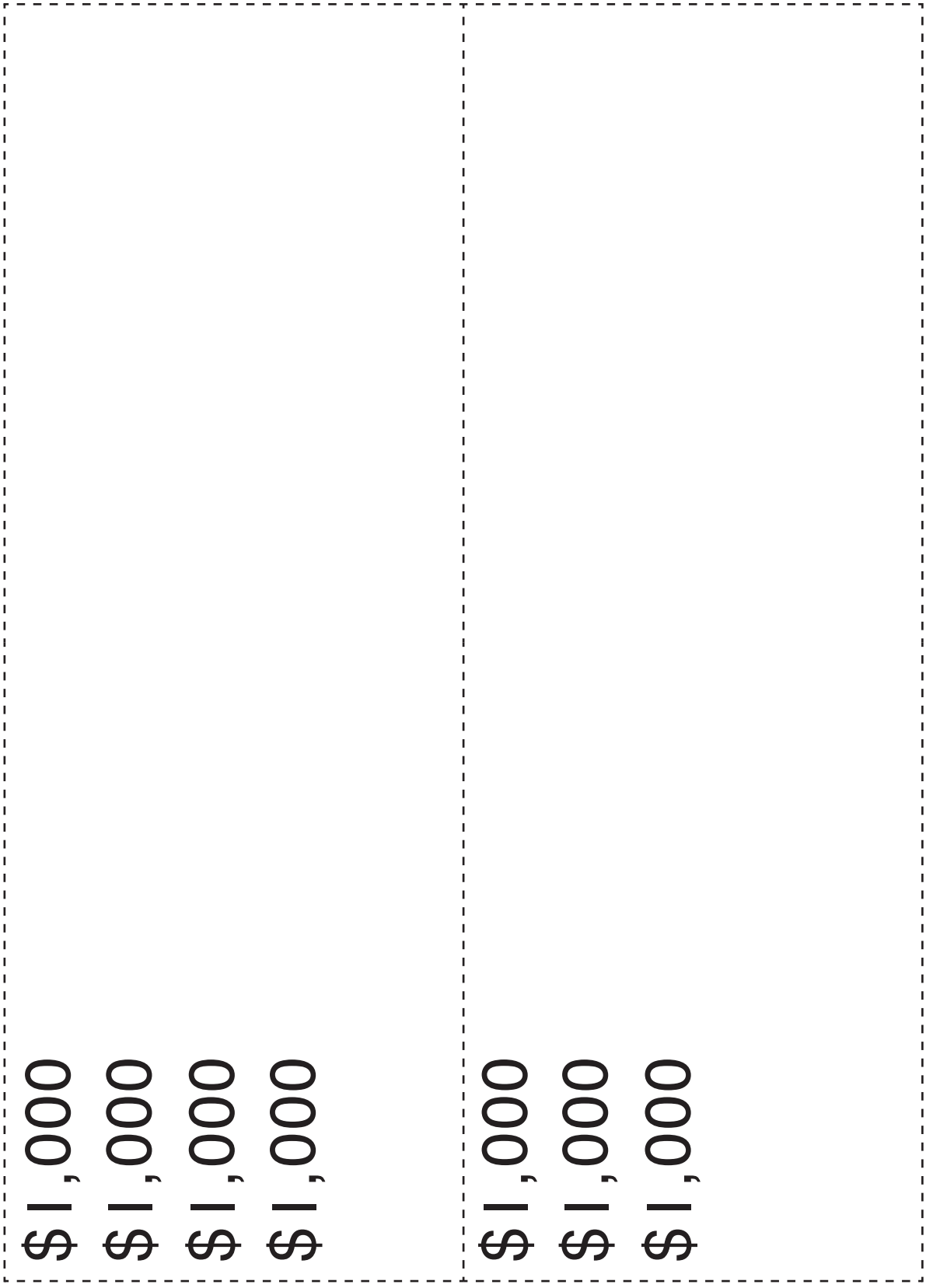
$1,000

Demonstration Whole Number and Decimal Secret Code Cards, back

3,000

4,000

Demonstration Whole Number and Decimal Secret Code Cards, front



Demonstration Whole Number and Decimal Secret Code Cards, back

5,000

6,000

Demonstration Whole Number and Decimal Secret Code Cards, front

$1,000

$1,000 $1,000 $1,000 $1,000 $1,000

$1,000 $1,000 $1,000 $1,000 $1,000

Demonstration Whole Number and Decimal Secret Code Cards, back

7,000

8,000

Demonstration Whole Number and Decimal Secret Code Cards, front

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

Demonstration Whole Number and Decimal Secret Code Cards, back

9,000

9,000

Demonstration Whole Number and Decimal Secret Code Cards, front

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

$1,000

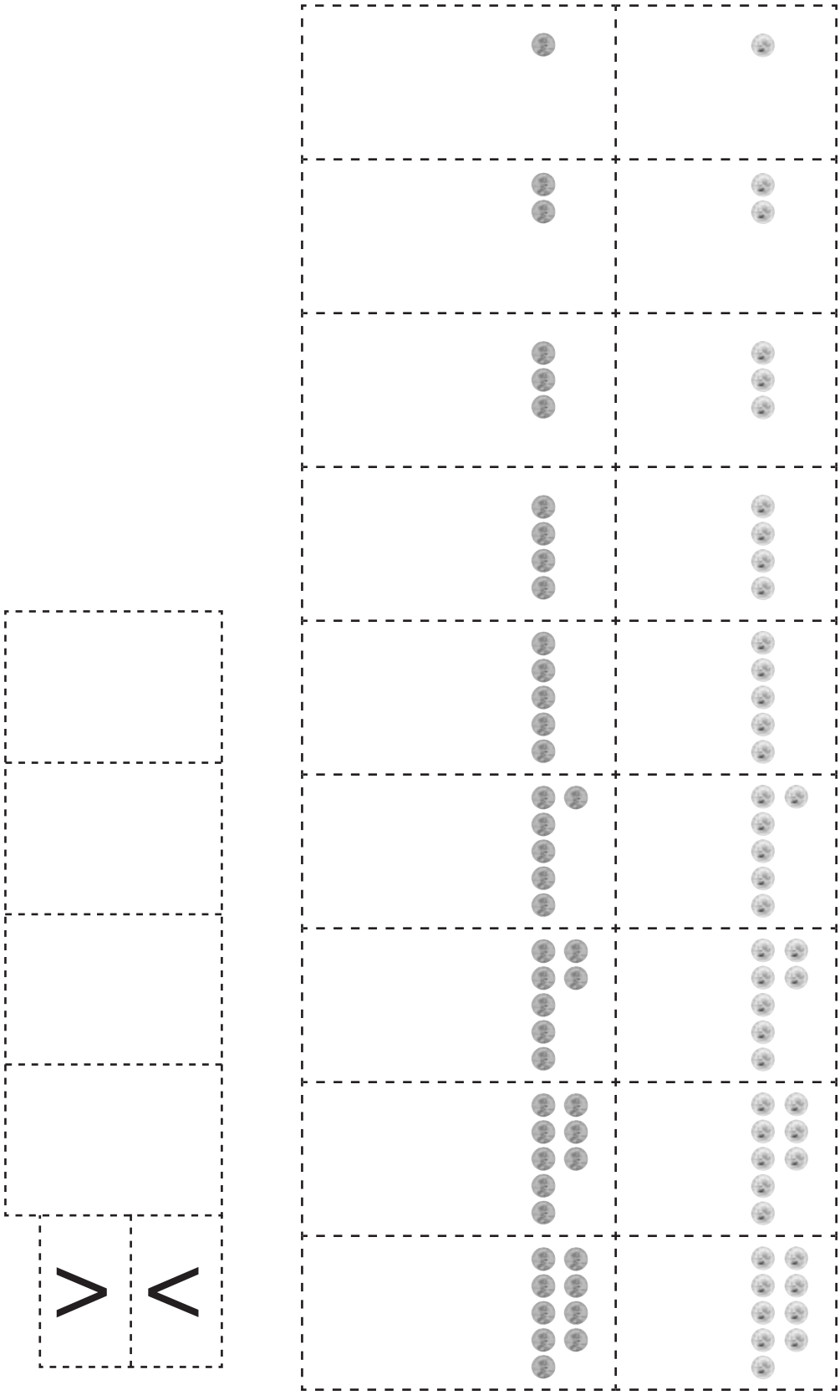
$1,000

Demonstration Whole Number and Decimal Secret Code Cards, back

0.1 0.1	0.01 0.01
0.2 0.2	0.02 0.02
0.3 0.3	0.03 0.03
0.4 0.4	0.04 0.04
0.5 0.5	0.05 0.05
0.6 0.6	0.06 0.06
0.7 0.7	0.07 0.07
0.8 0.8	0.08 0.08
0.9 0.9	0.09 0.09

.00	
.00	
.00	
.00	
>	<

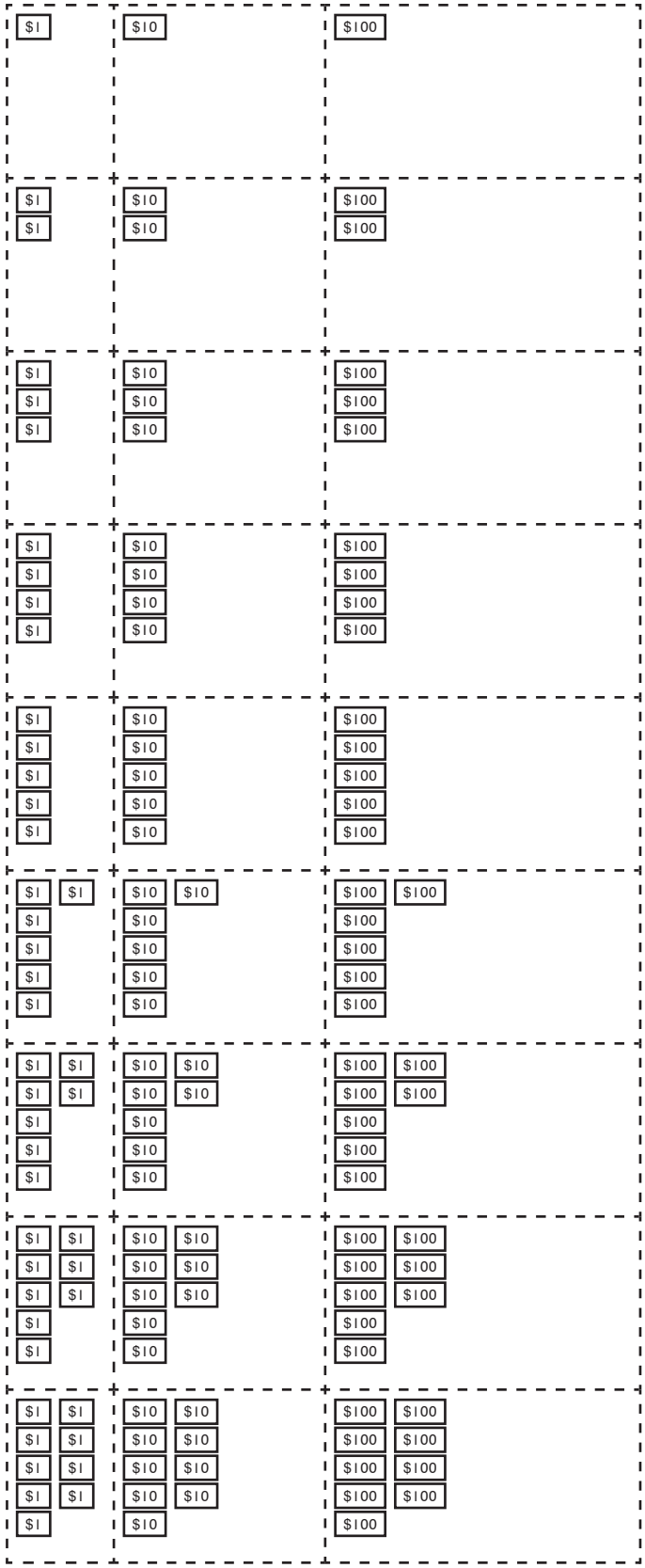
Decimal Secret Code Cards:
Tenths and Hundredths, front



Decimal Secret Code Cards:
Tenths and Hundredths, back

100	10	1
100	101	1
200	20	2
200	202	2
300	30	3
300	303	3
400	40	4
400	404	4
500	50	5
500	505	5
600	60	6
600	606	6
700	70	7
700	707	7
800	80	8
800	808	8
900	90	9
900	909	9

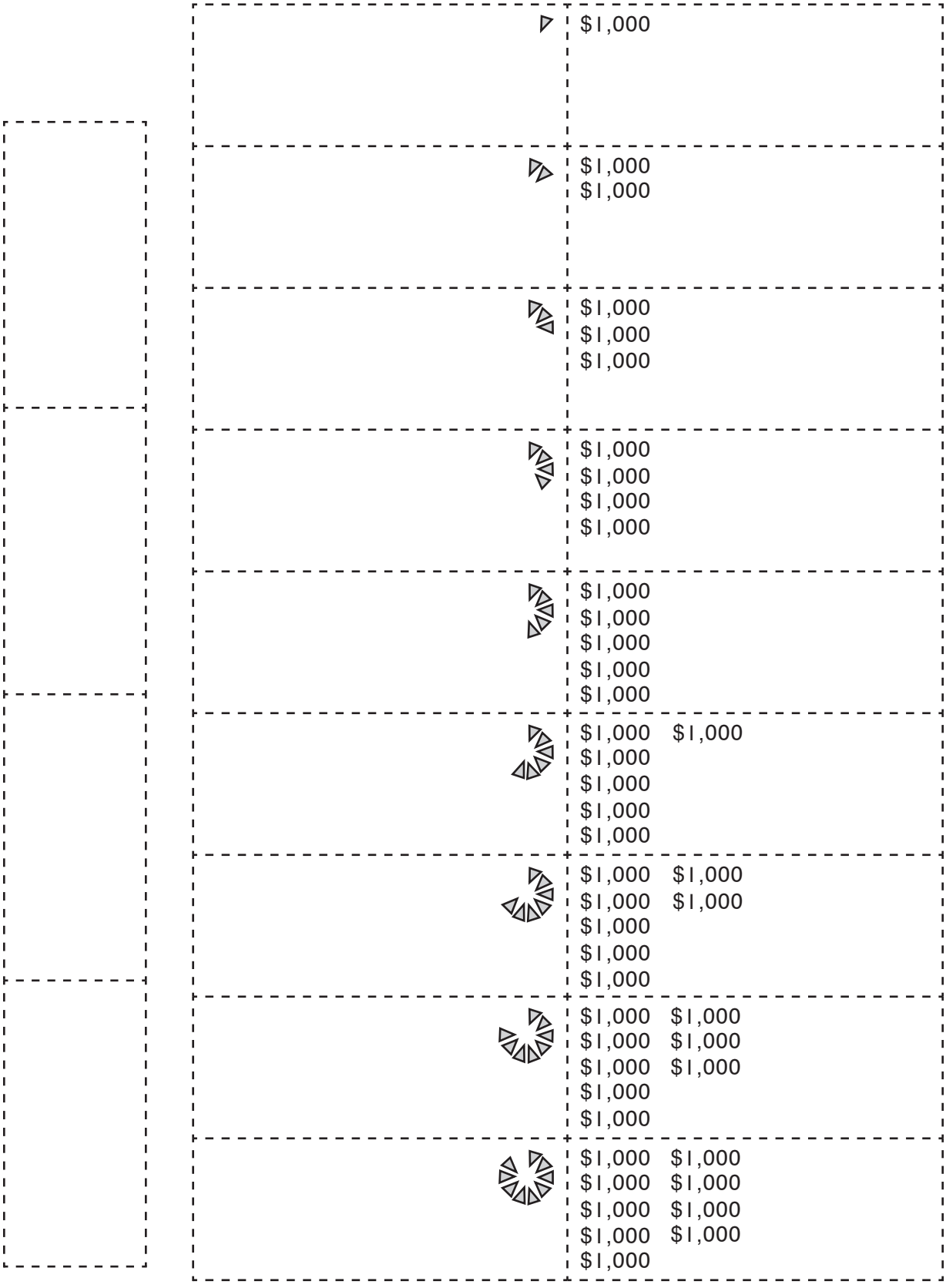
Decimal Secret Code Cards:
Hundreds, Tens, and Ones, front

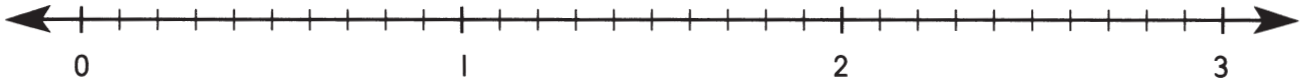


Decimal Secret Code Cards:
Hundreds, Tens, and Ones, back

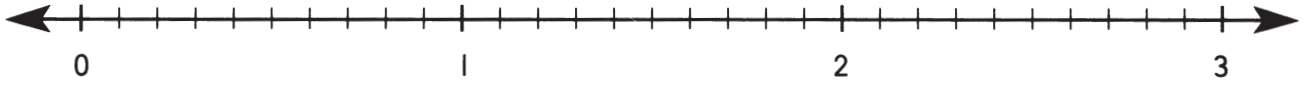
1,000 1,000	0.001 0.001
2,000 2,000	0.002 0.002
3,000 3,000	0.003 0.003
4,000 4,000	0.004 0.004
5,000 5,000	0.005 0.005
6,000 6,000	0.006 0.006
7,000 7,000	0.007 0.007
8,000 8,000	0.008 0.008
9,000 9,000	0.009 0.009

Decimal Secret Code Cards:
Thousands and Thousandths, front

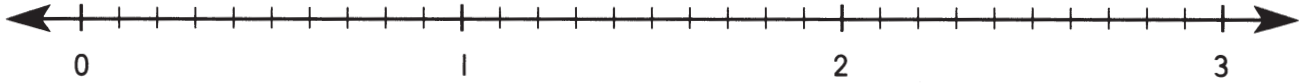




Tenths



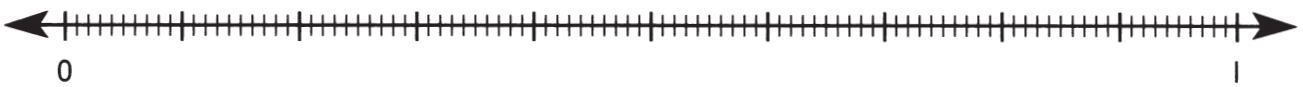
Tenths



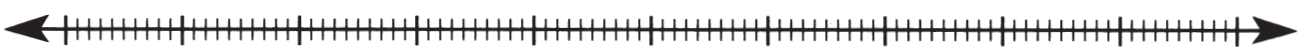
Tenths

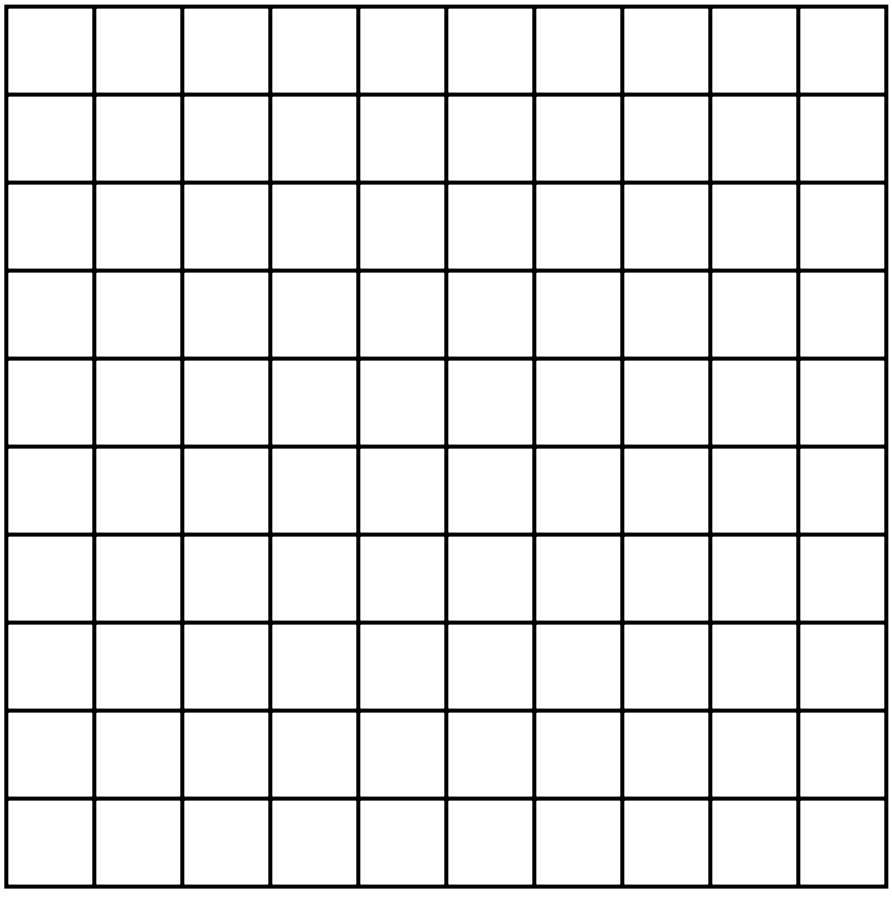
Hundredths

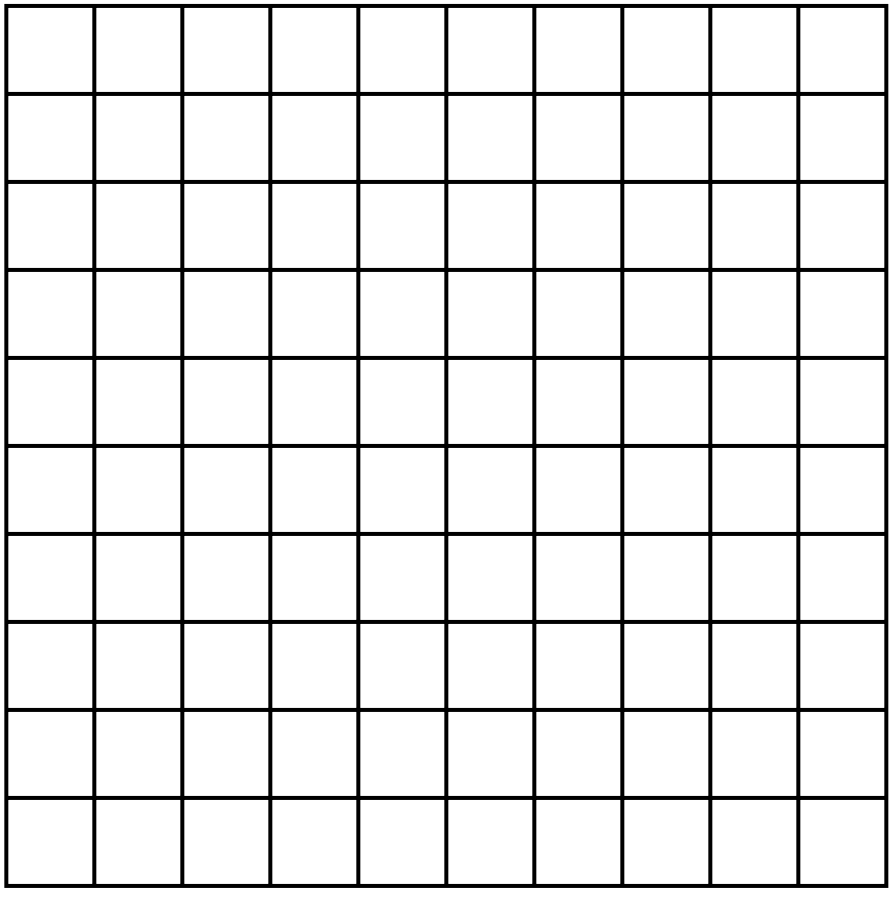
Hundredths

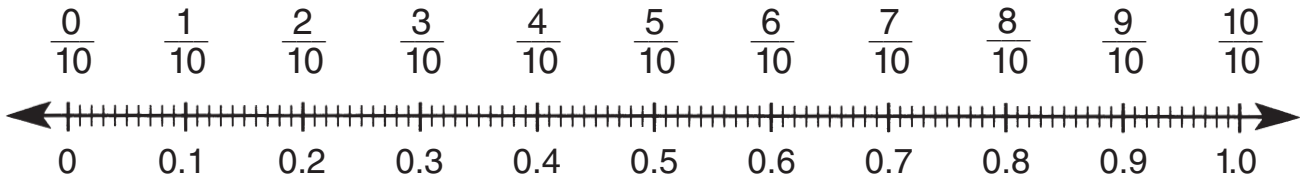


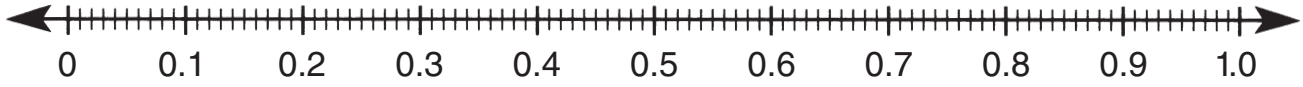
Hundredths

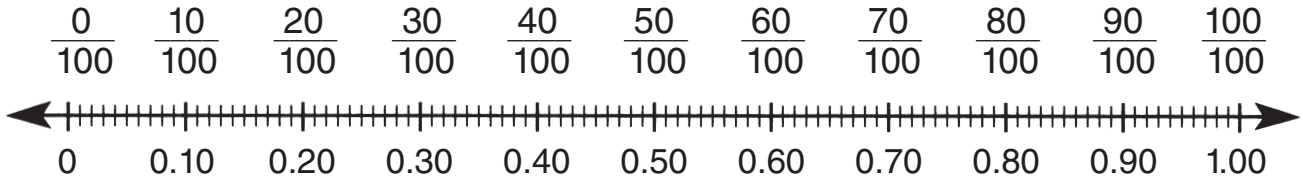


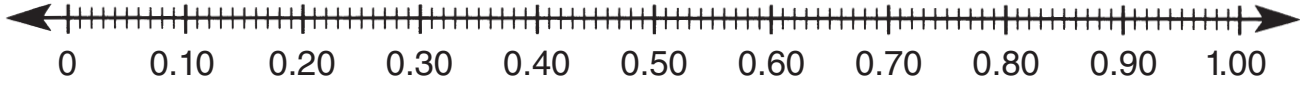


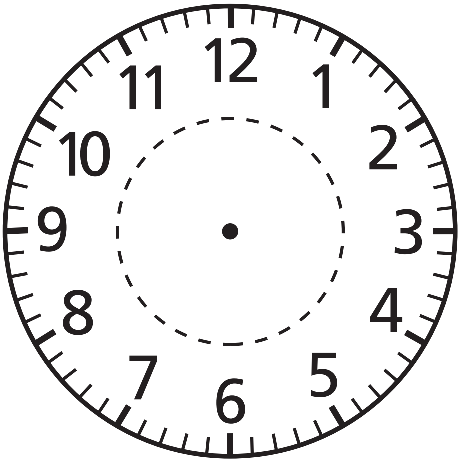












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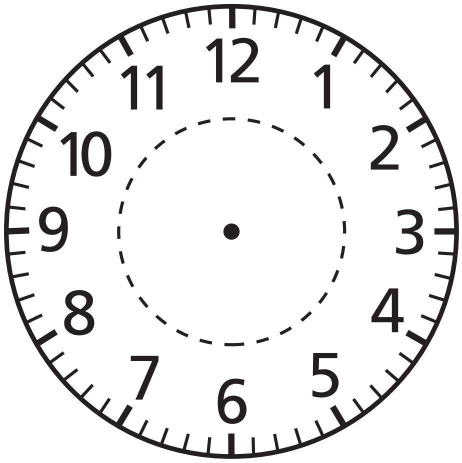

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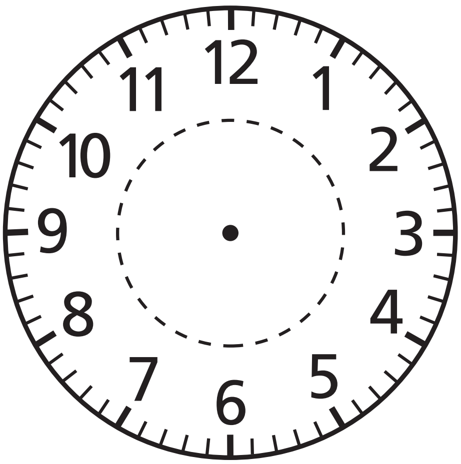

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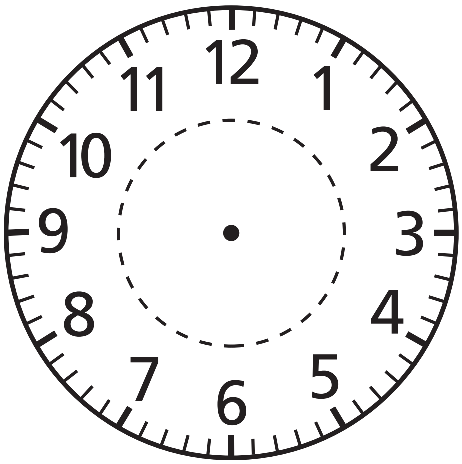

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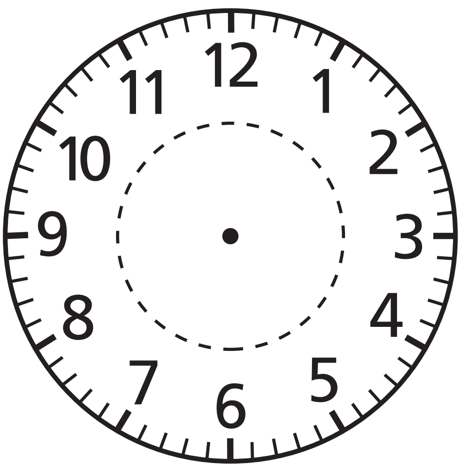

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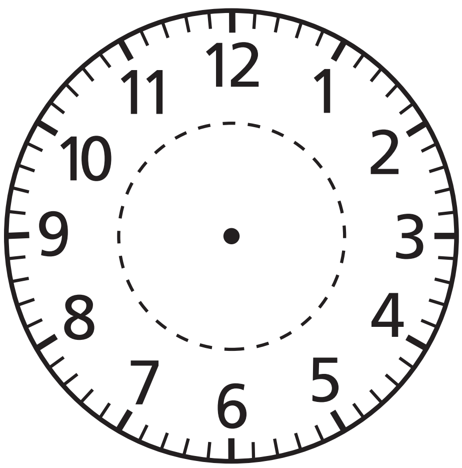

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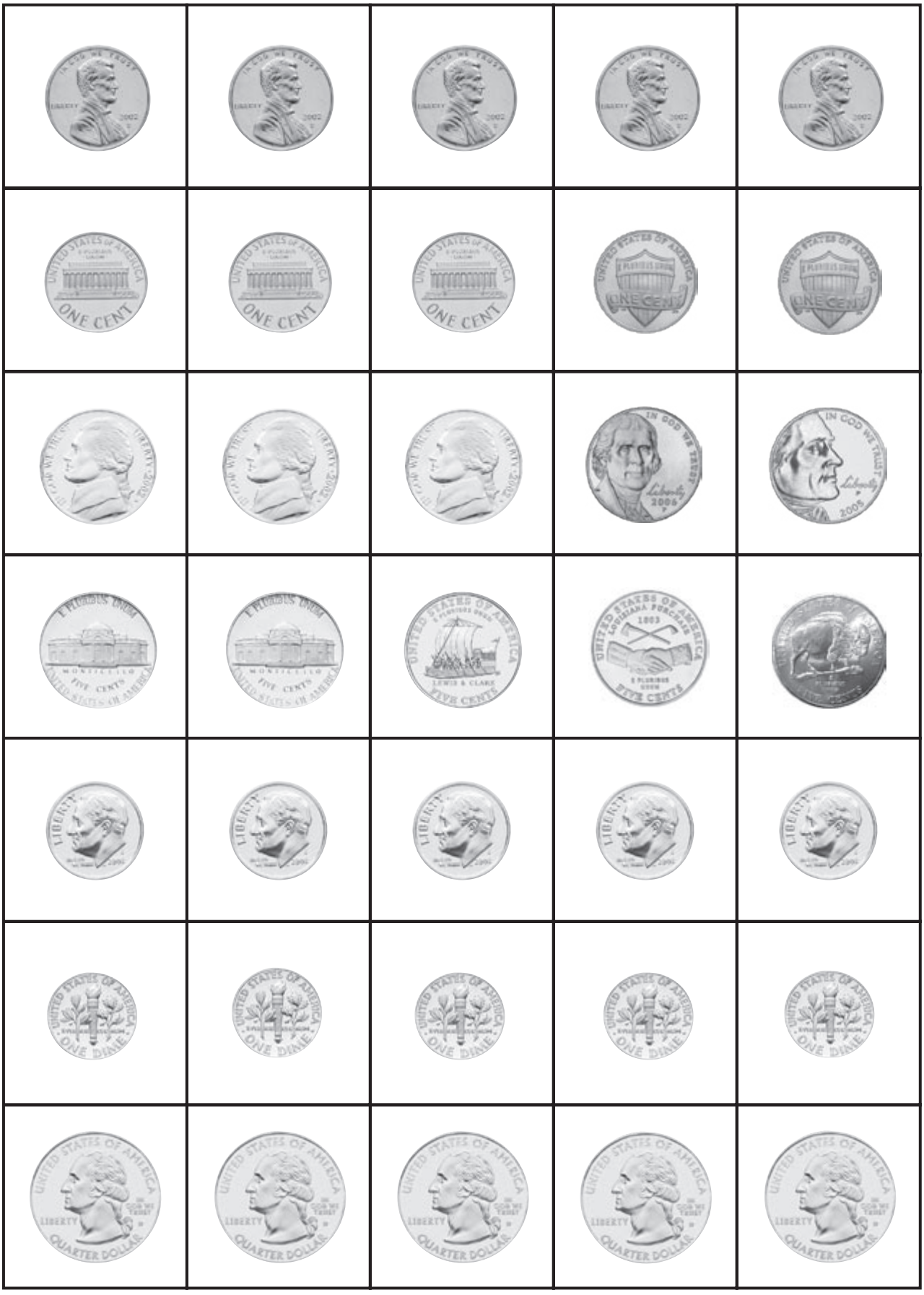

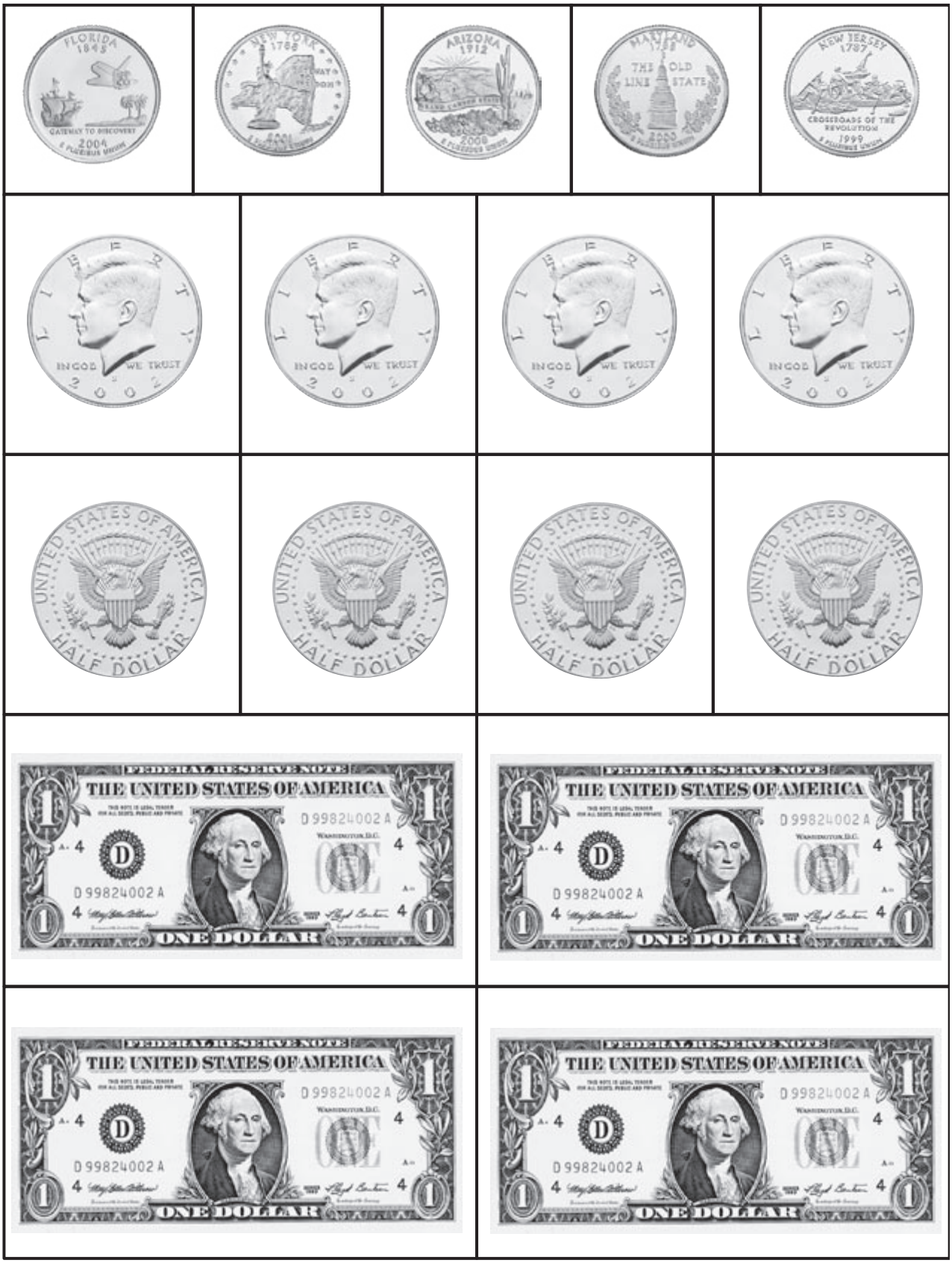

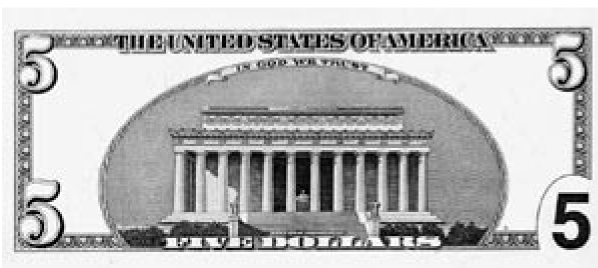

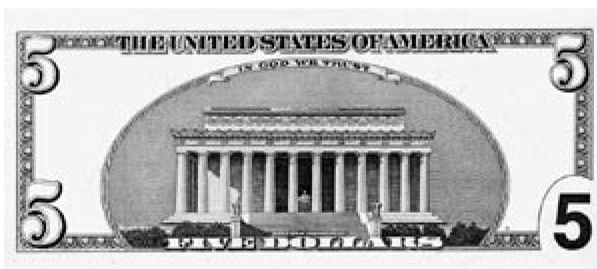


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IN GOD WE TRUST
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IN GOD WE TRUST
FIFTY DOLLARS
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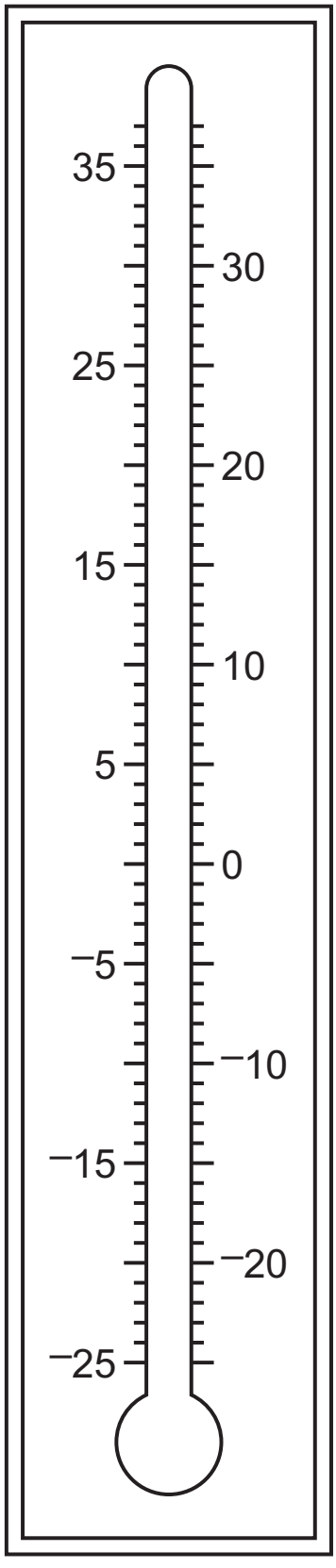
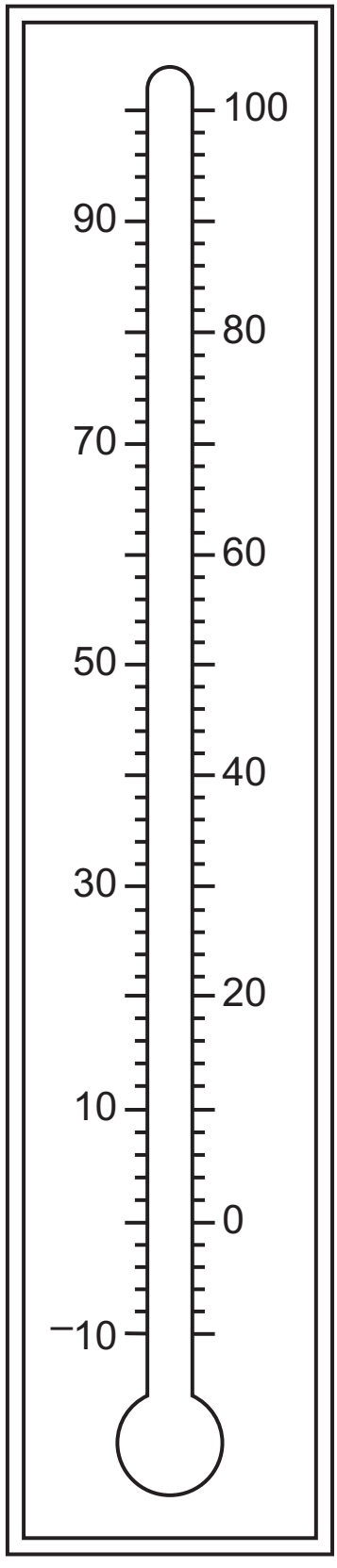


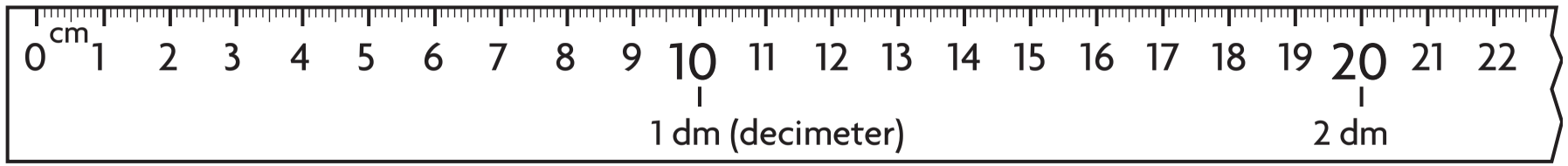
Celsius

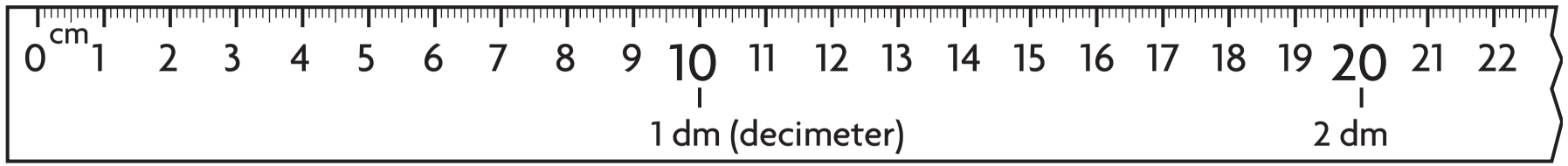
_____ °C



Fahrenheit

_____ °F

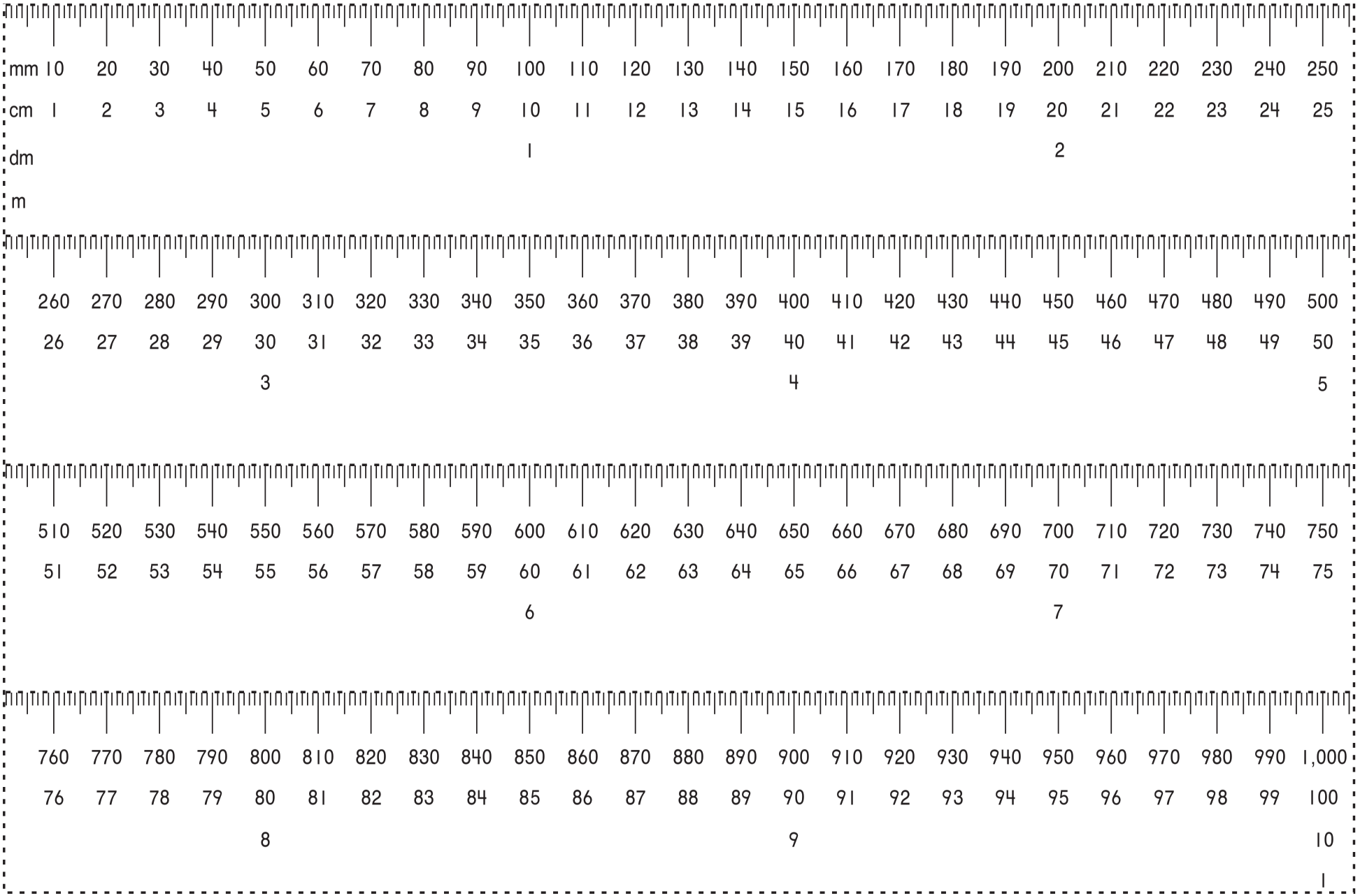




Rulers (inches and centimeters)

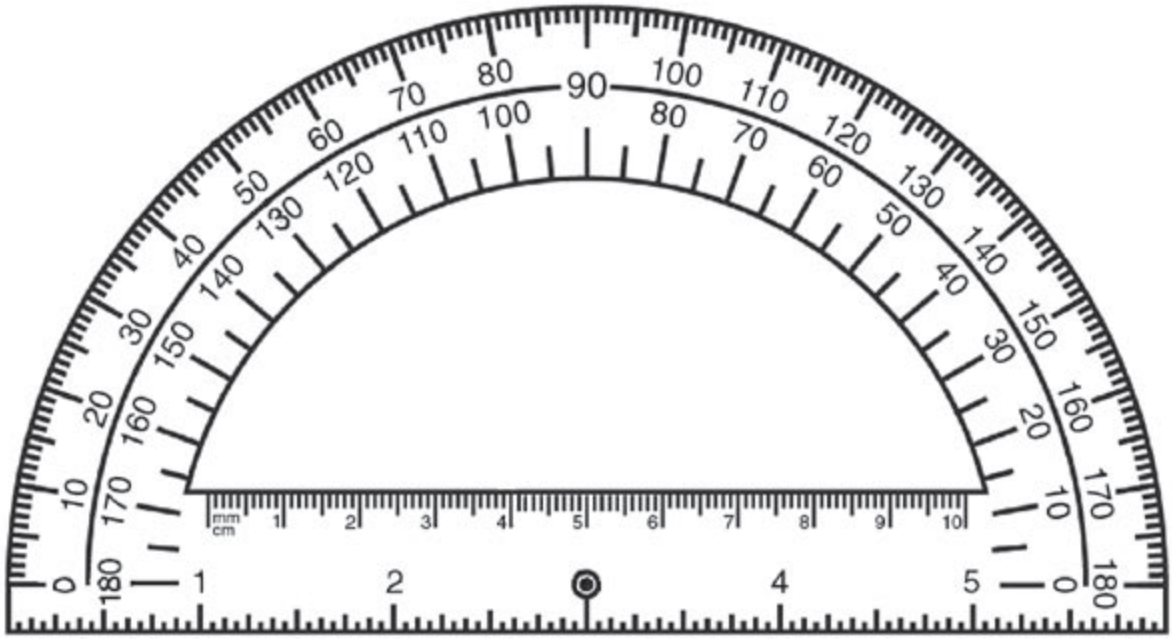
TR102

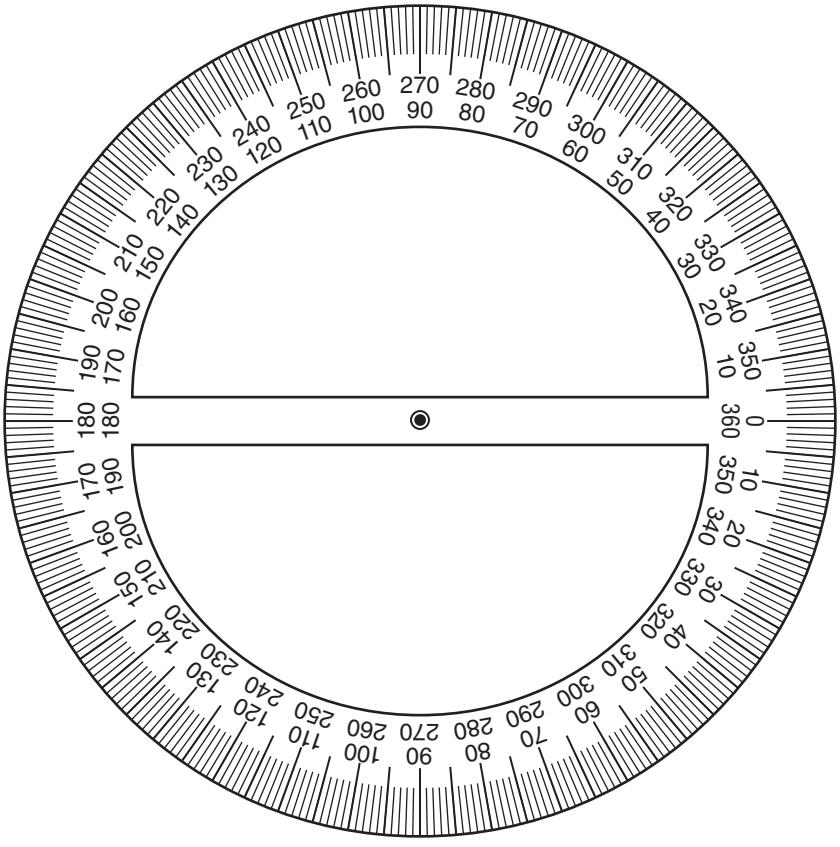
_____						
domingo	lunes	martes	miércoles	jueves	viernes	sábado

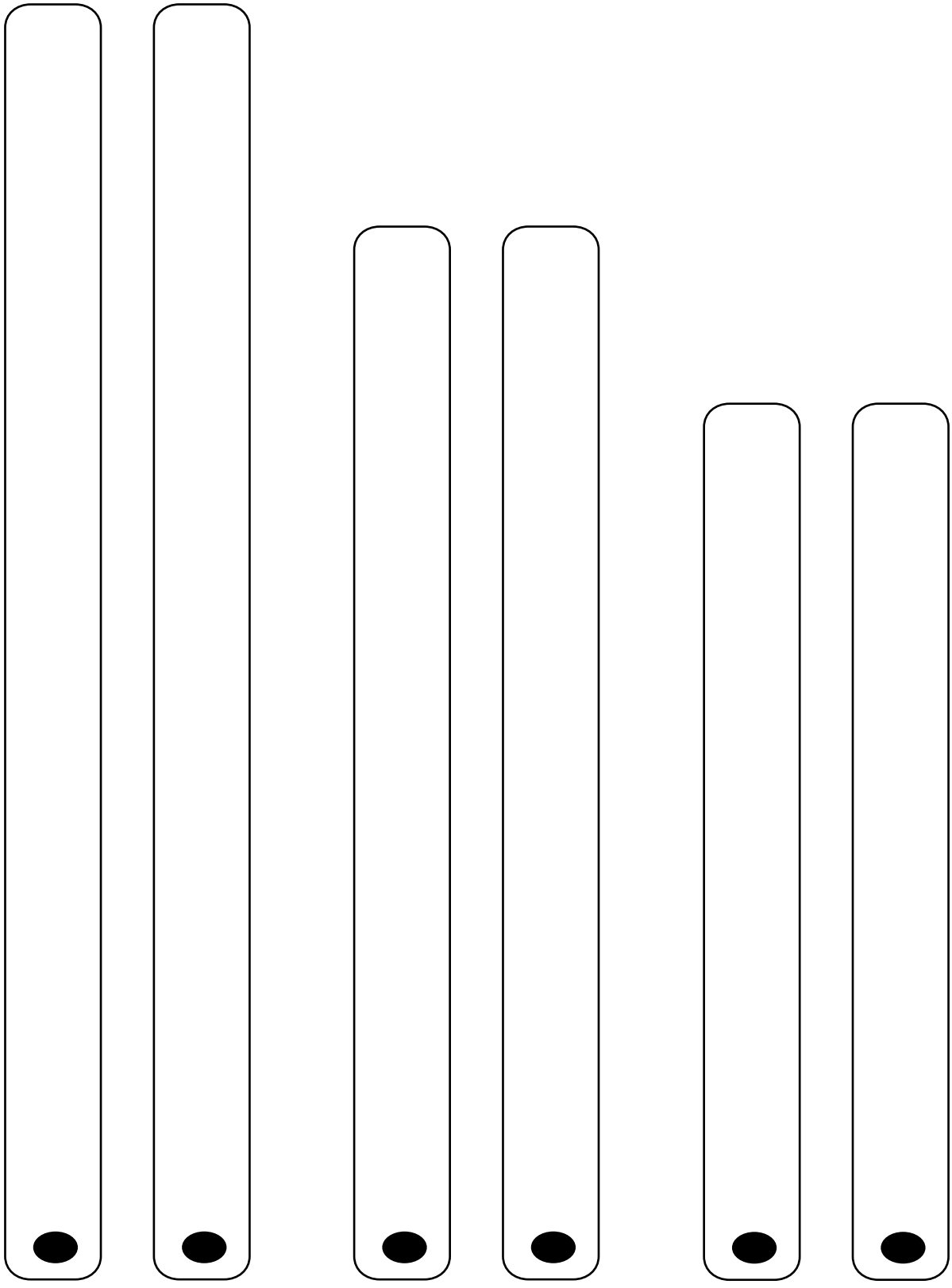


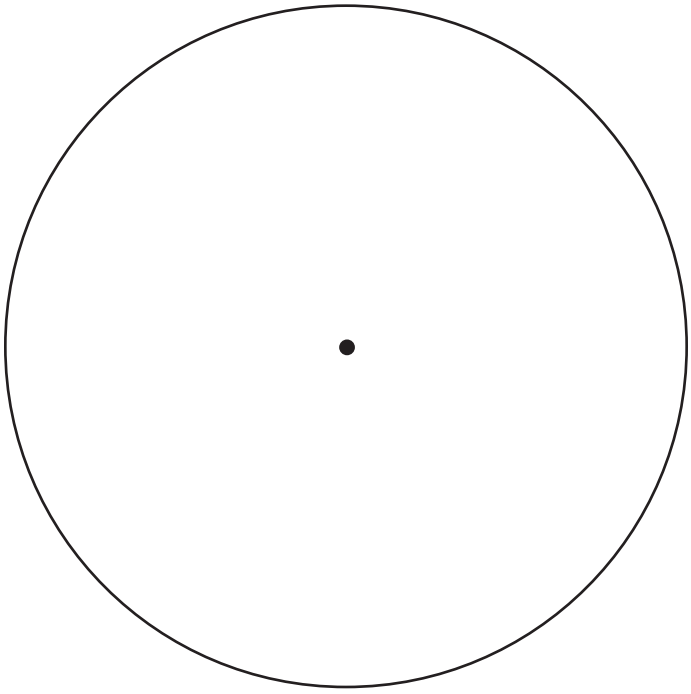
Ruler

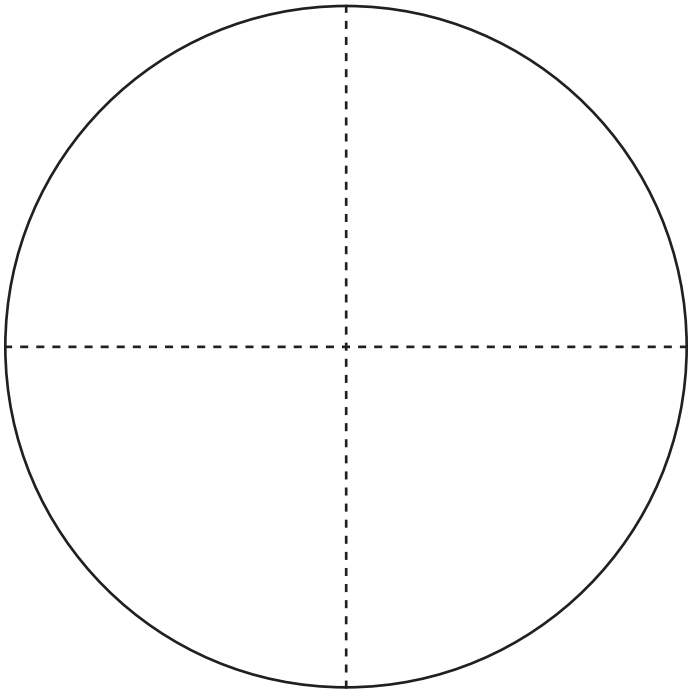
TR103

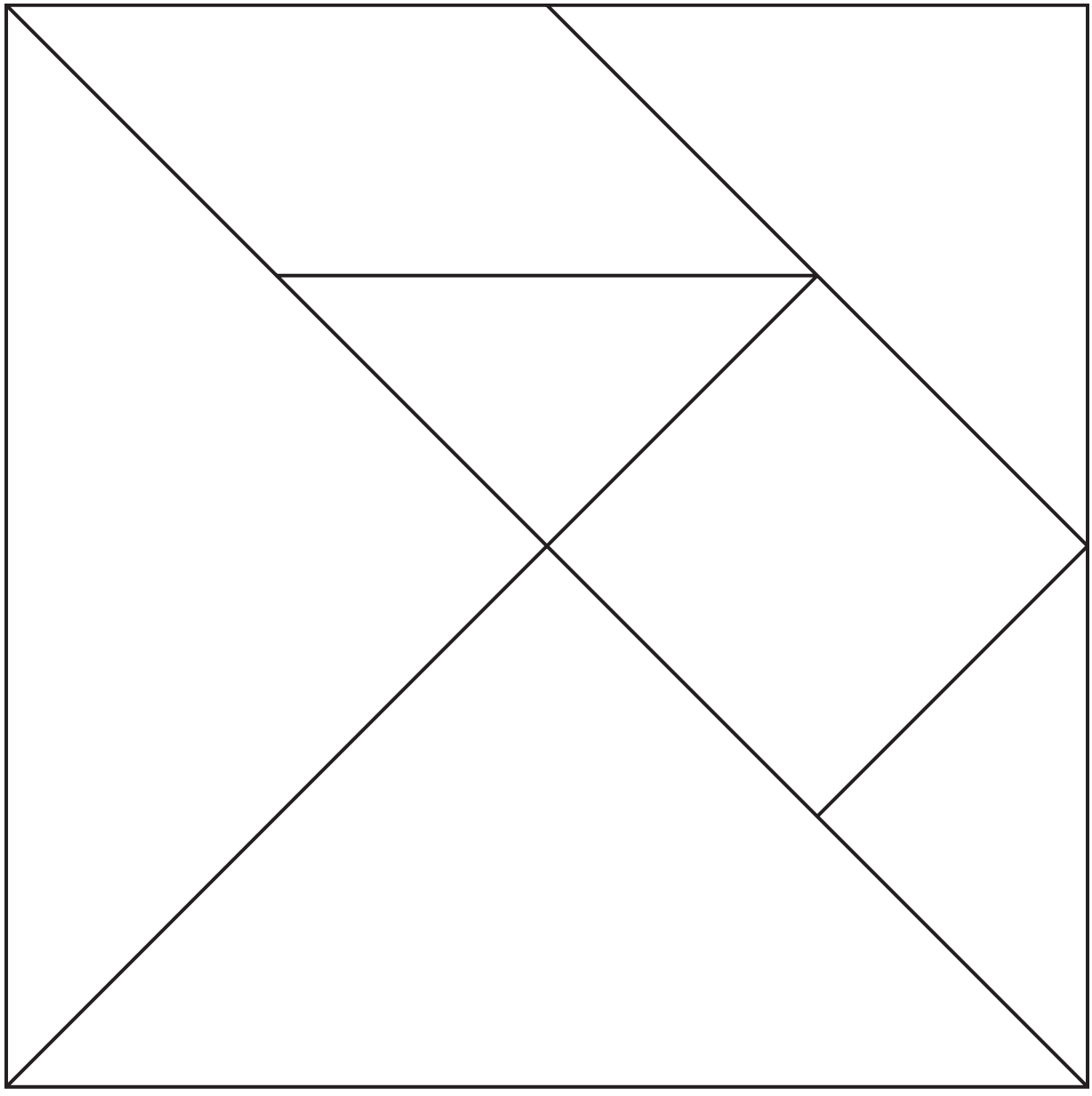


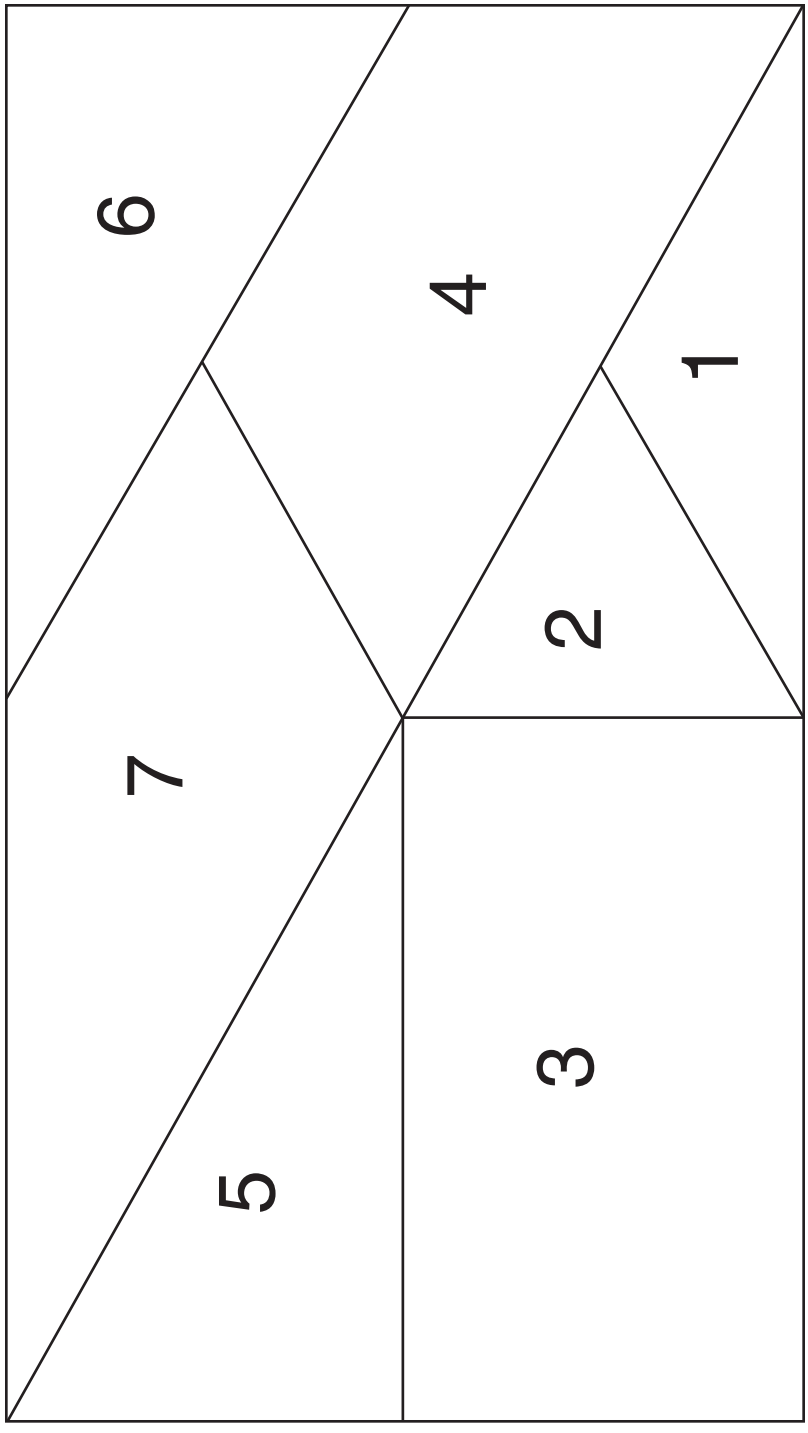


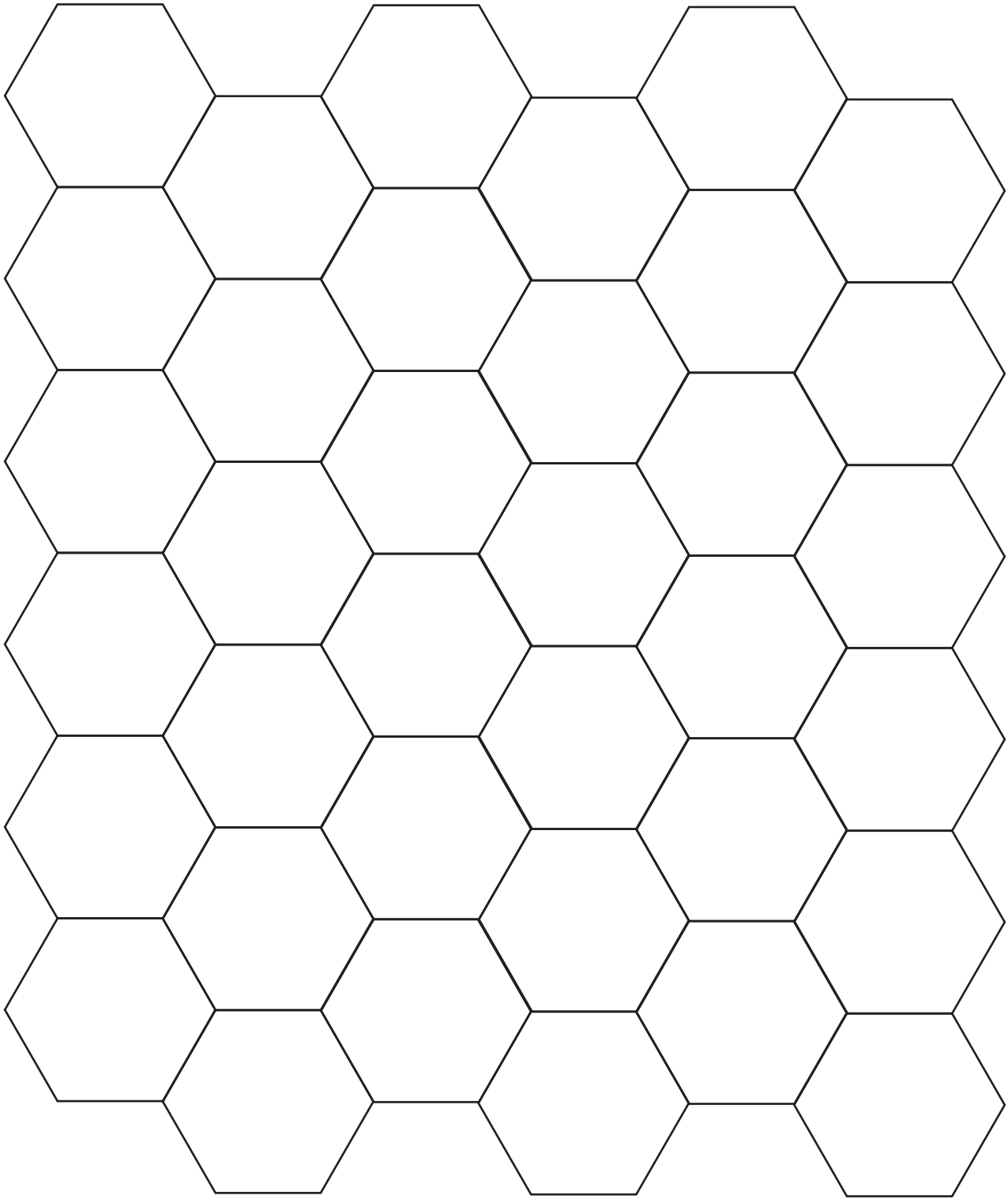


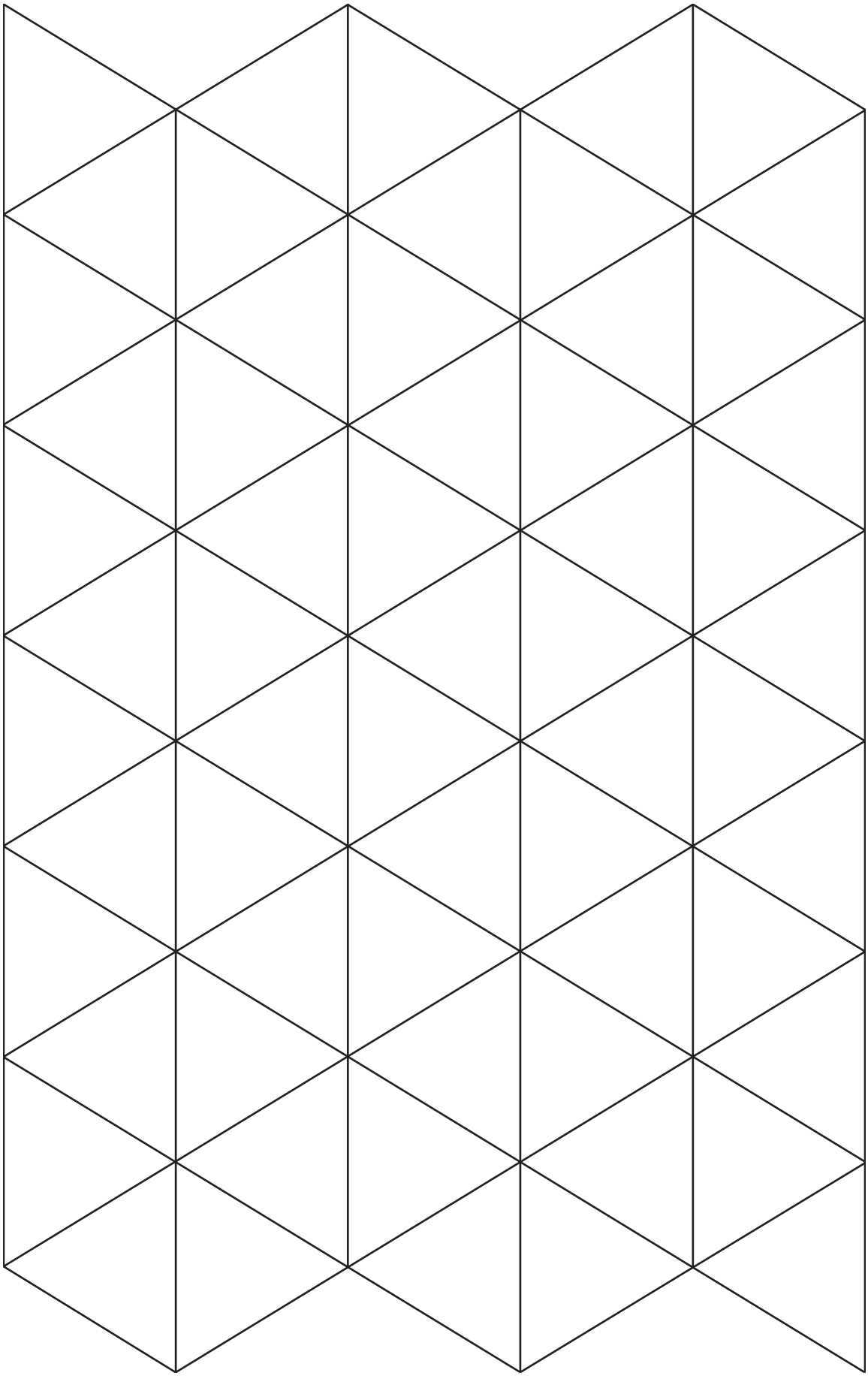




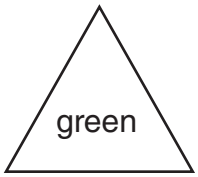


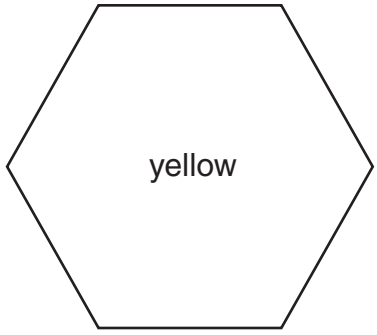


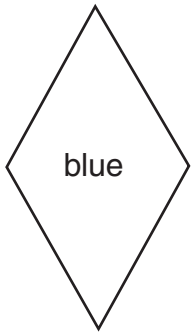


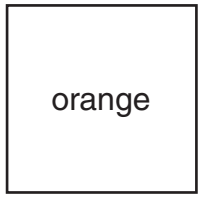


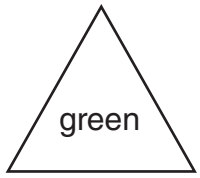
Tessellation Pattern

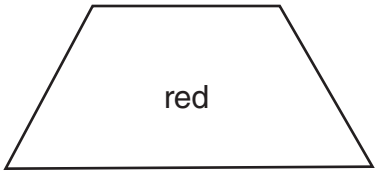


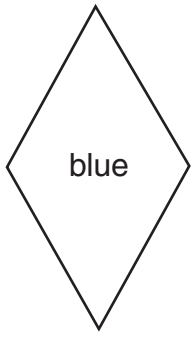


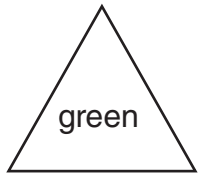


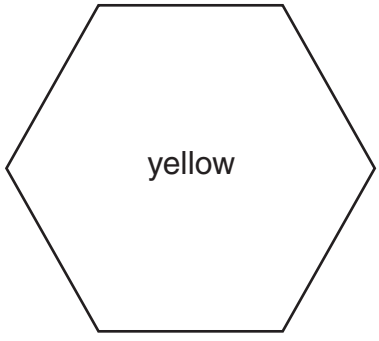


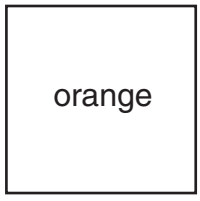


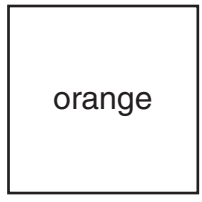


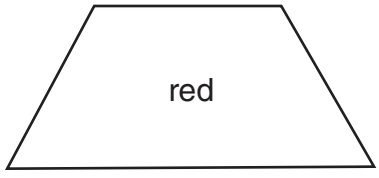


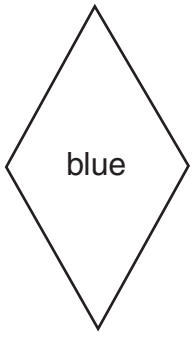


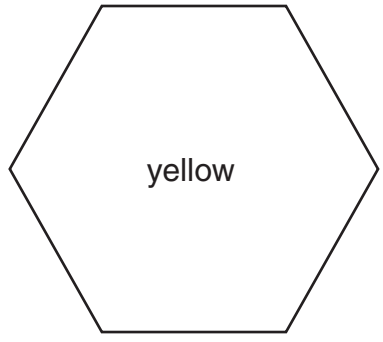


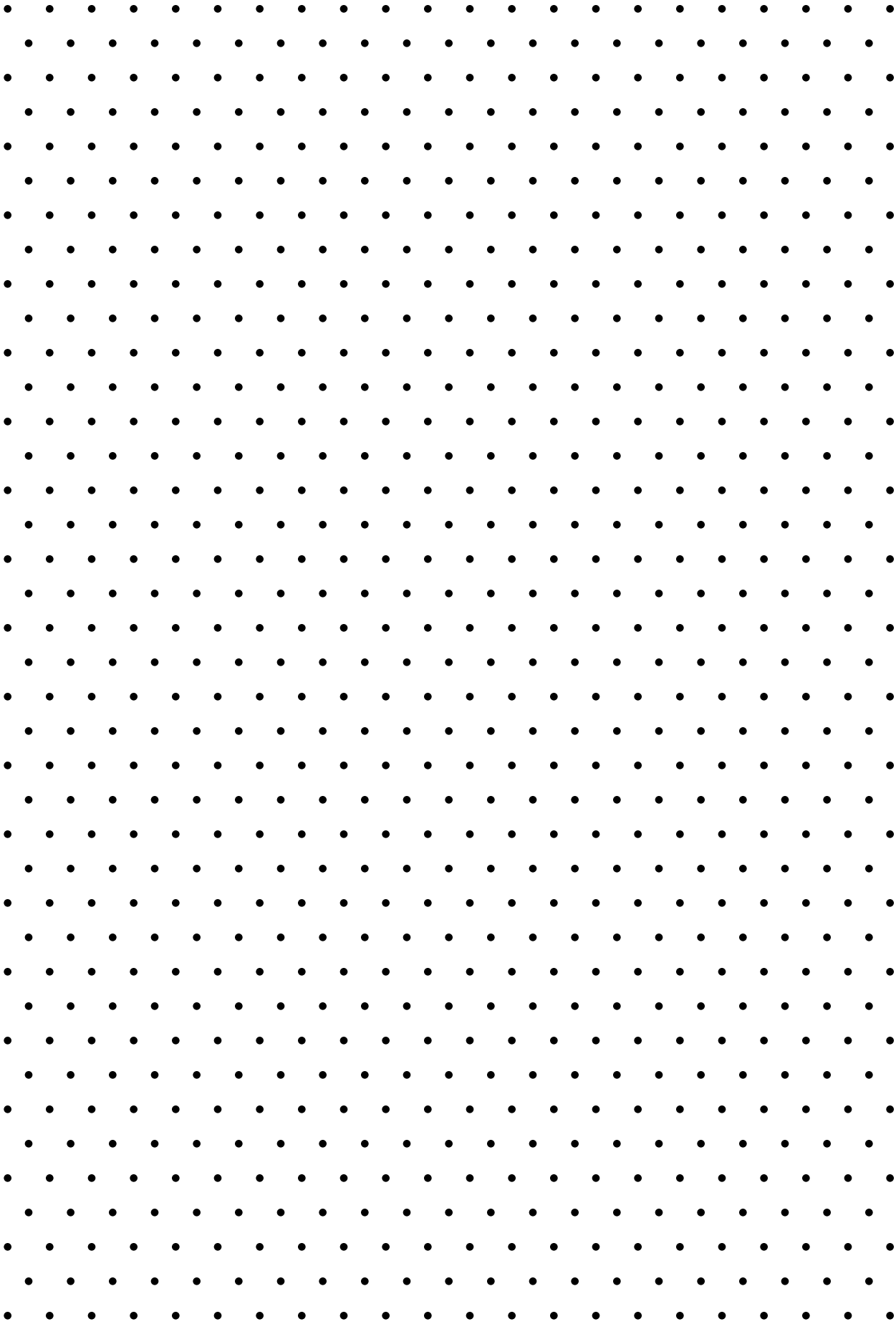




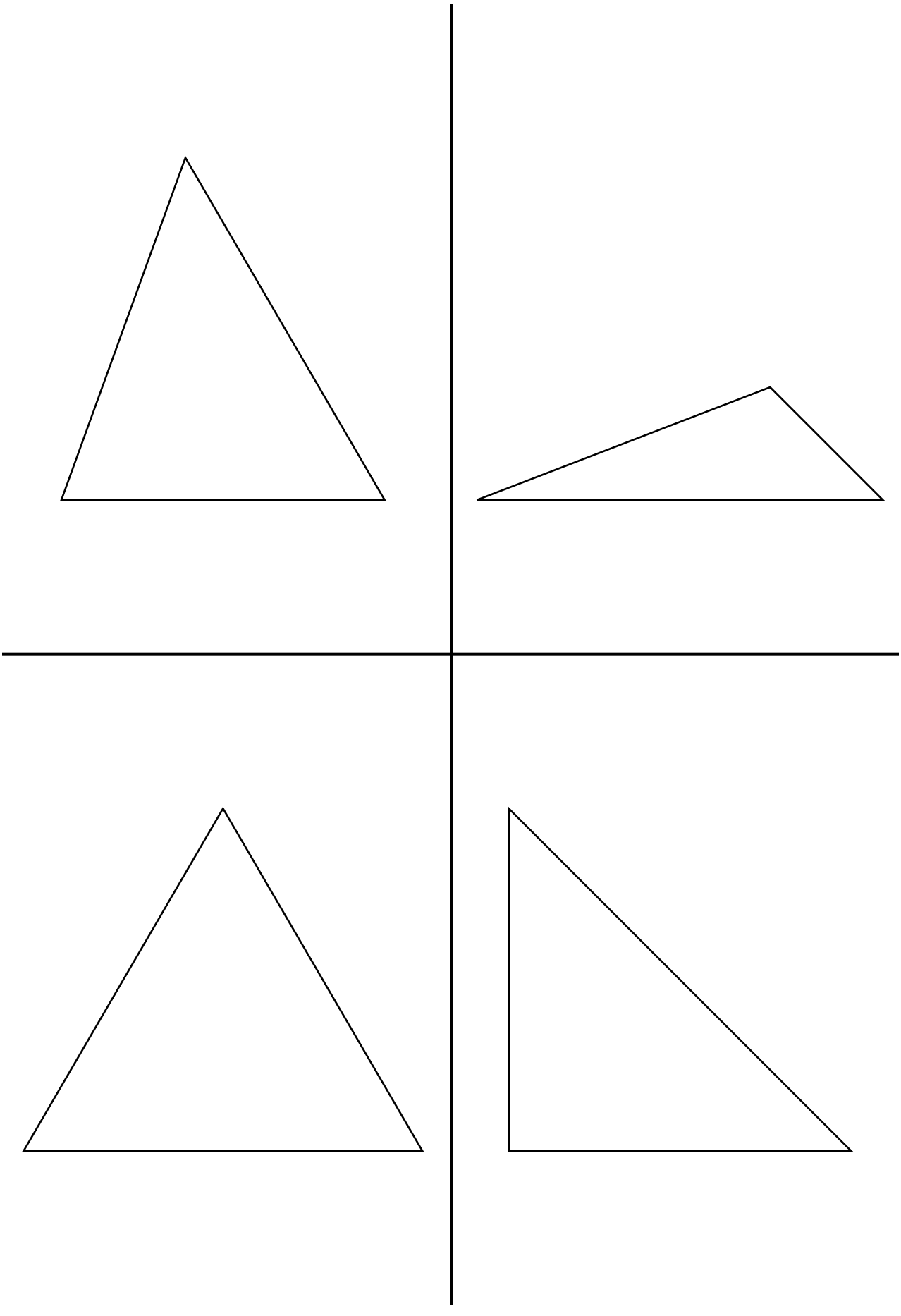


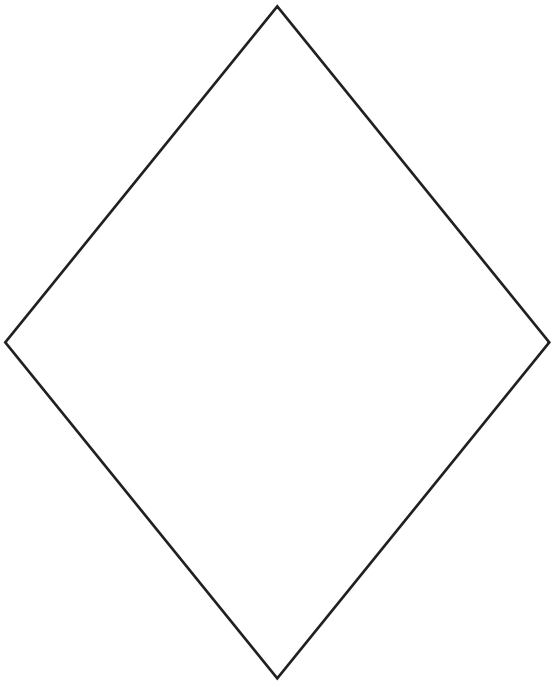


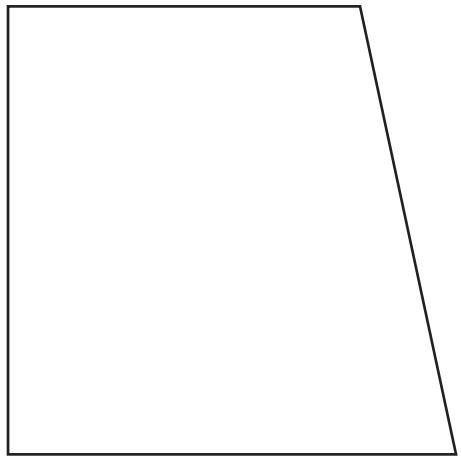


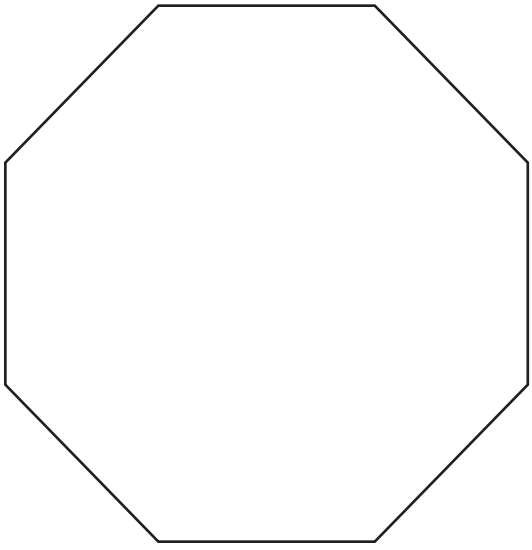


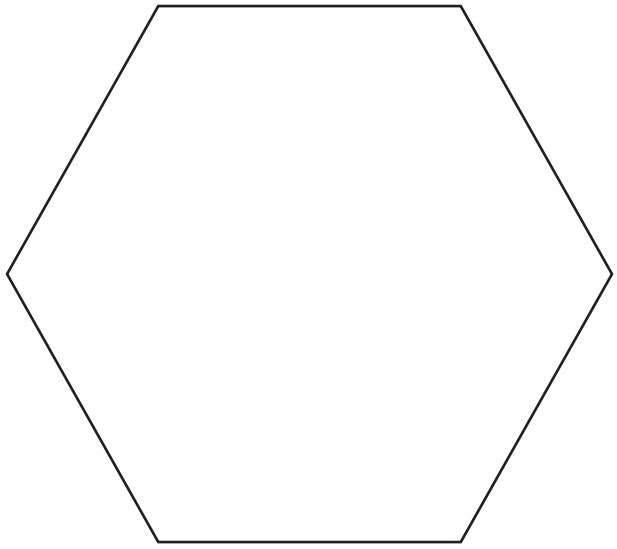
Papel punteado

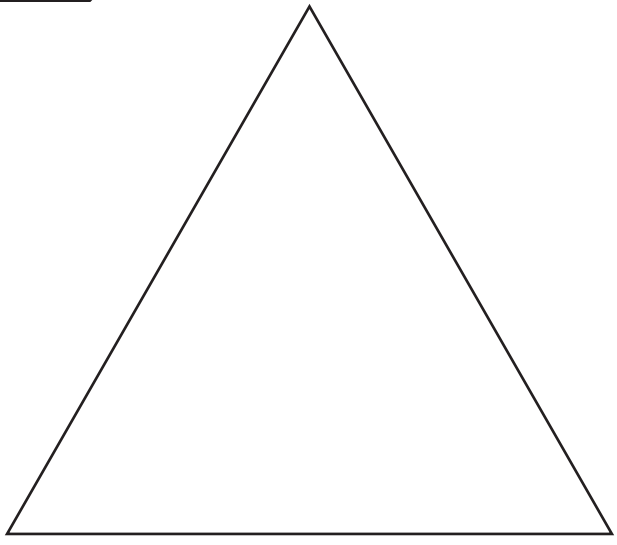


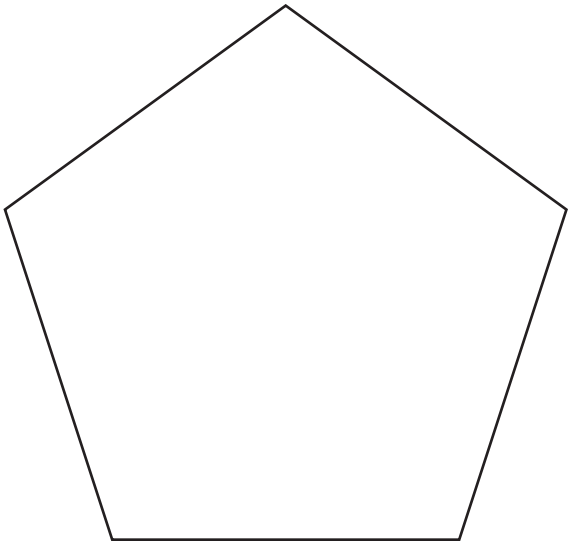


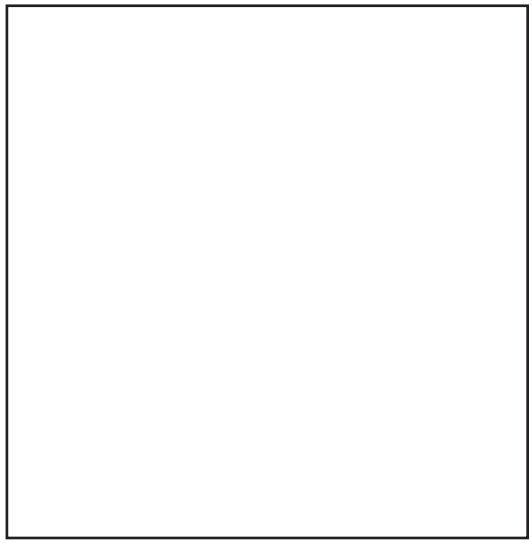


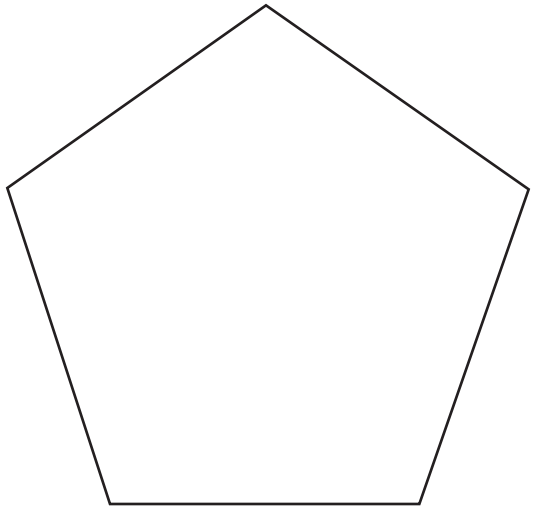


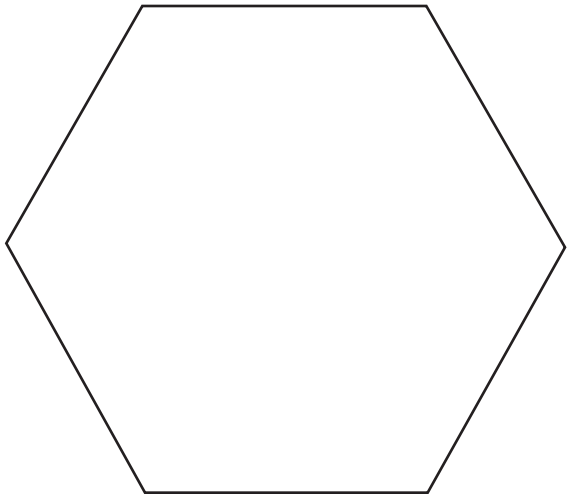


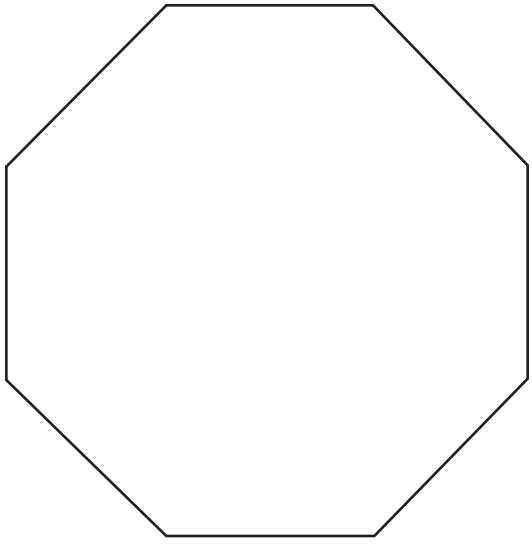


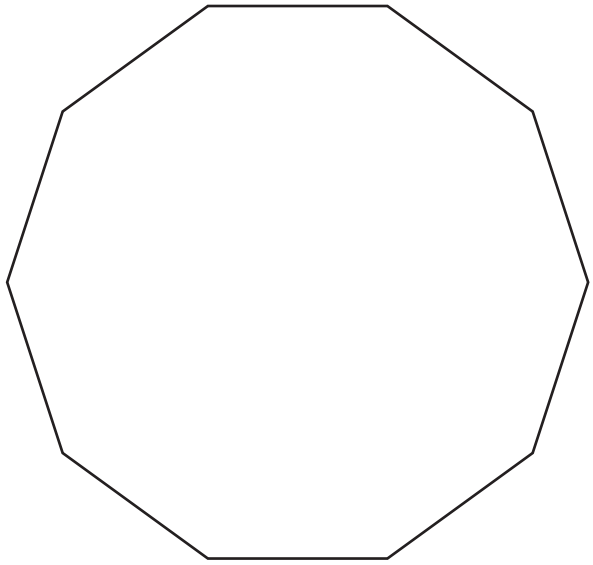


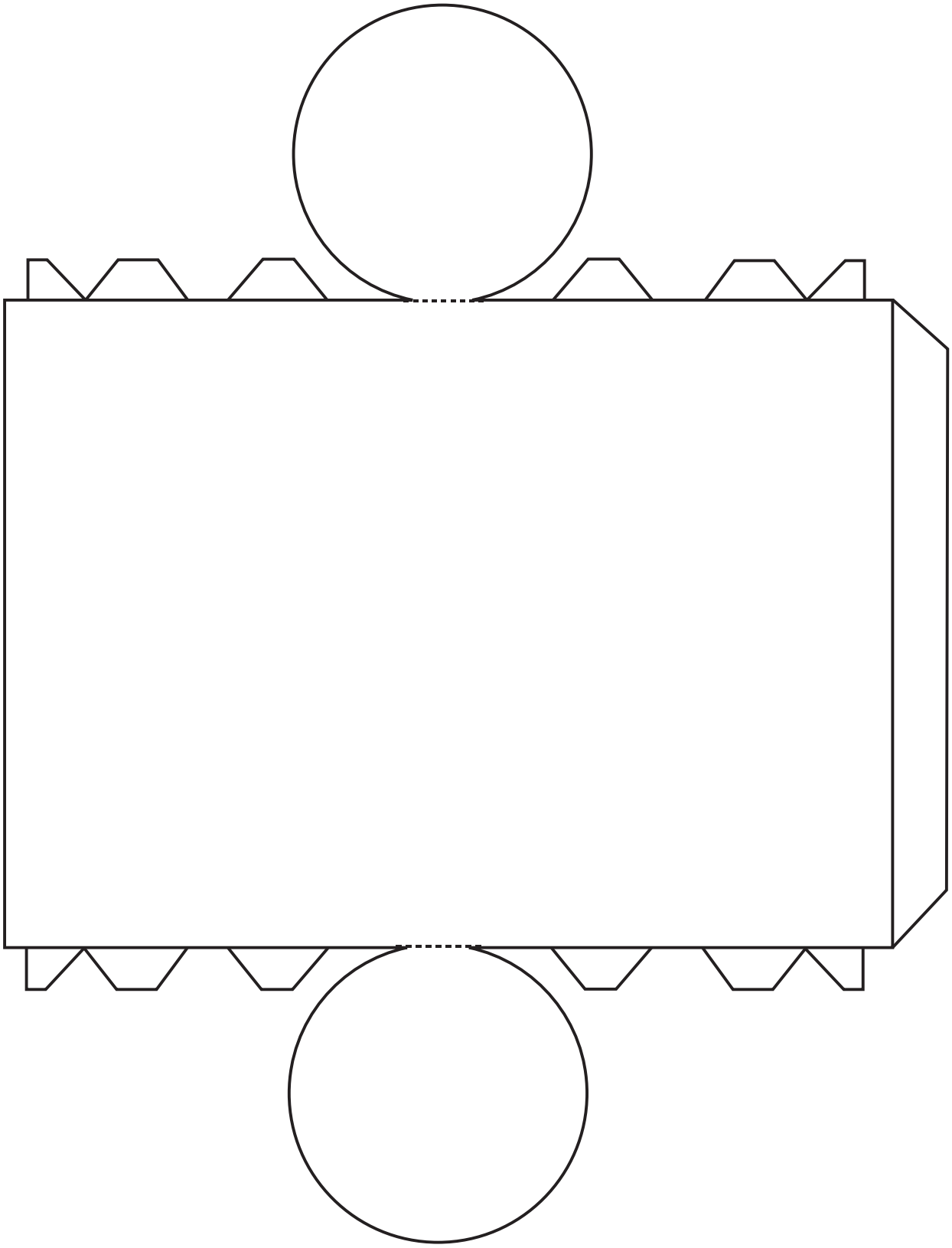




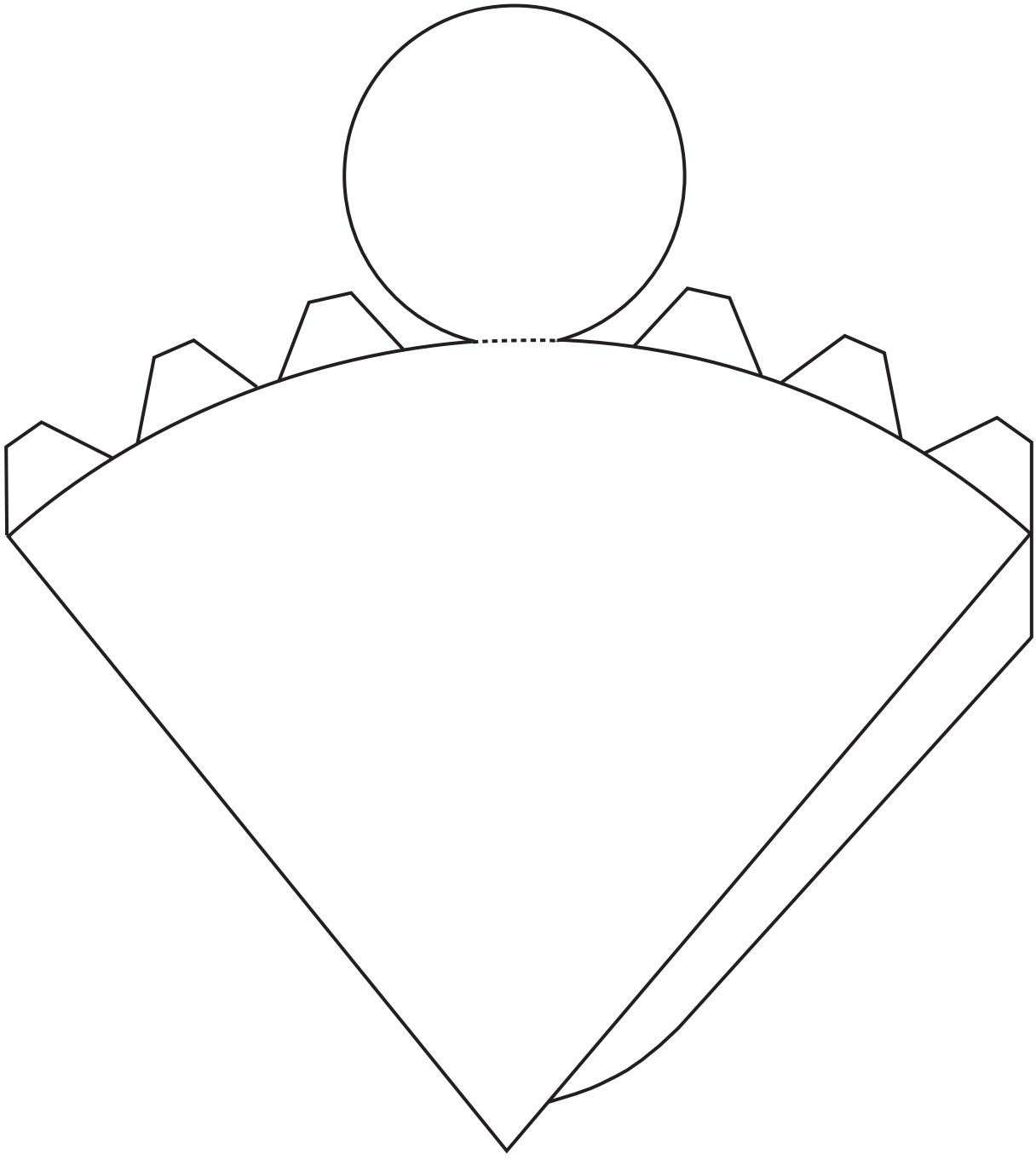








Cylinder Pattern



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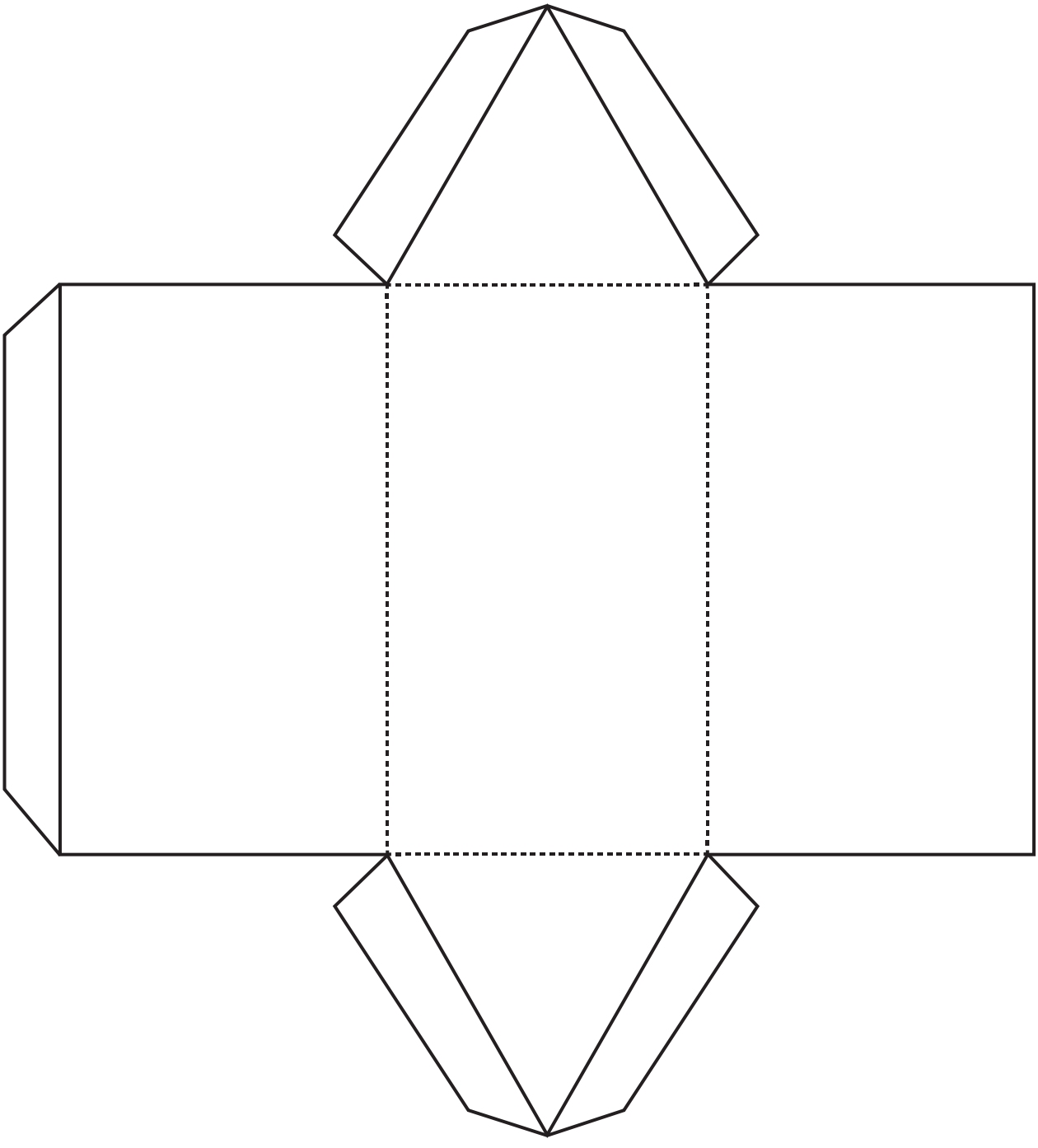
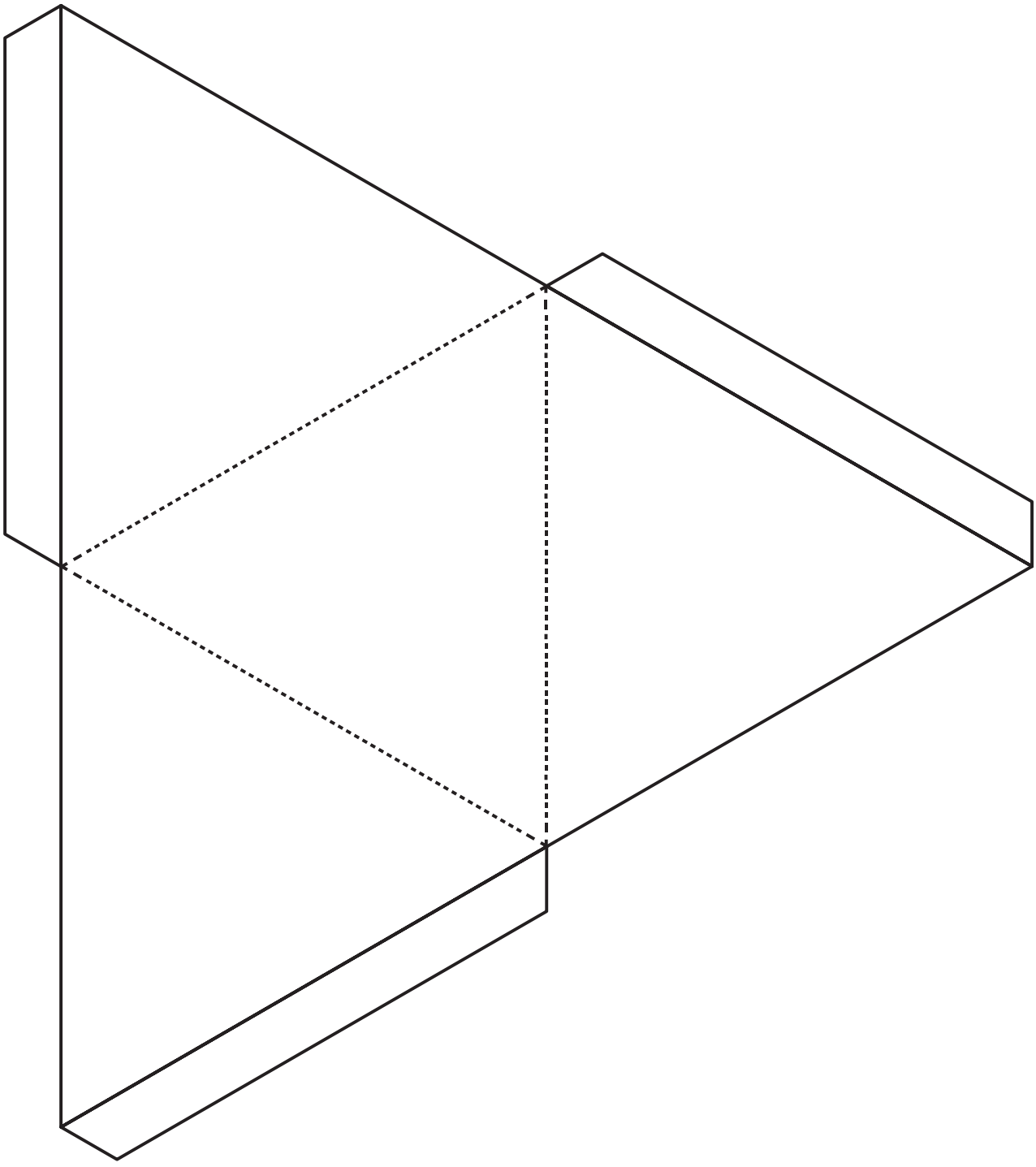
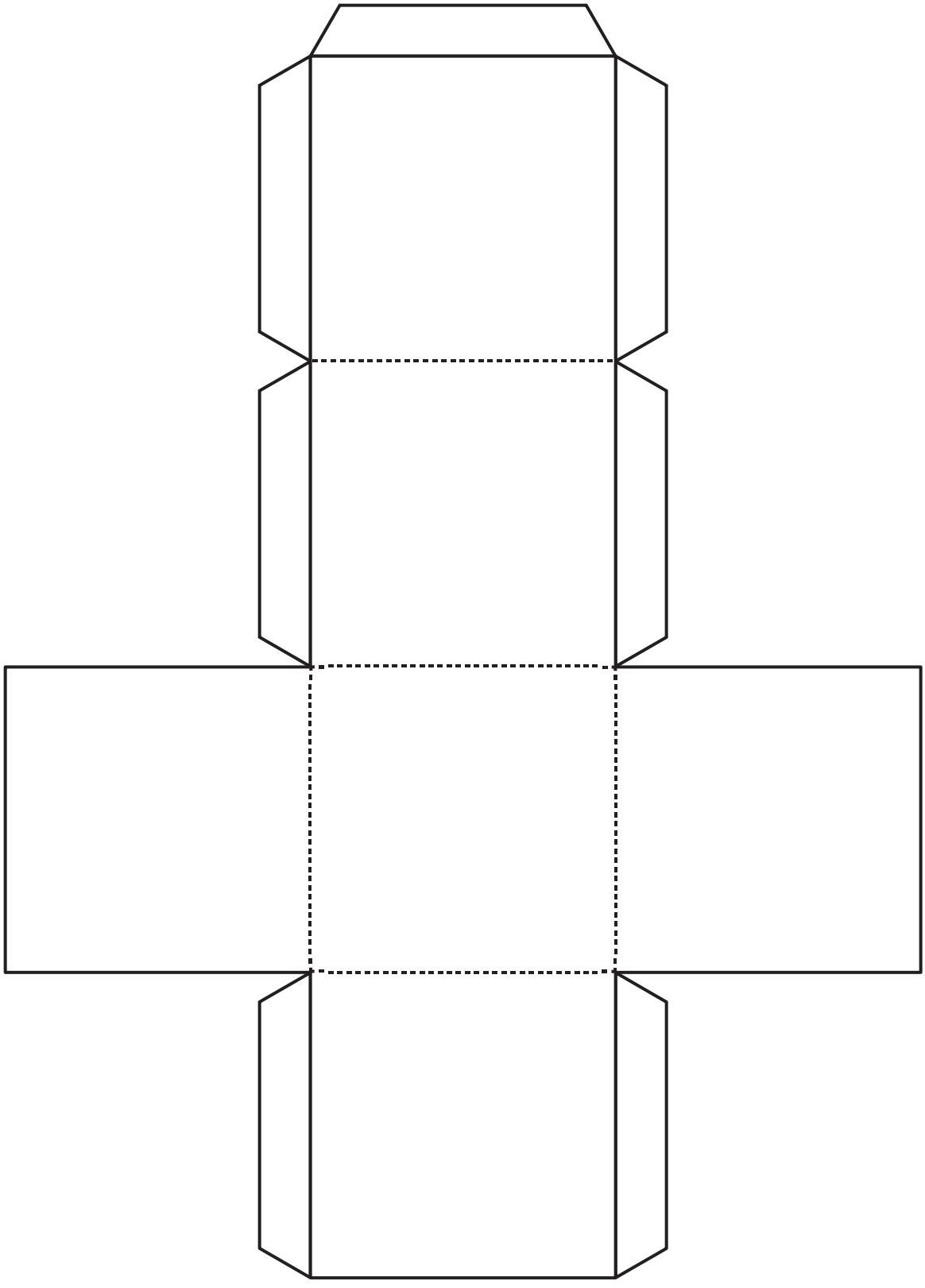
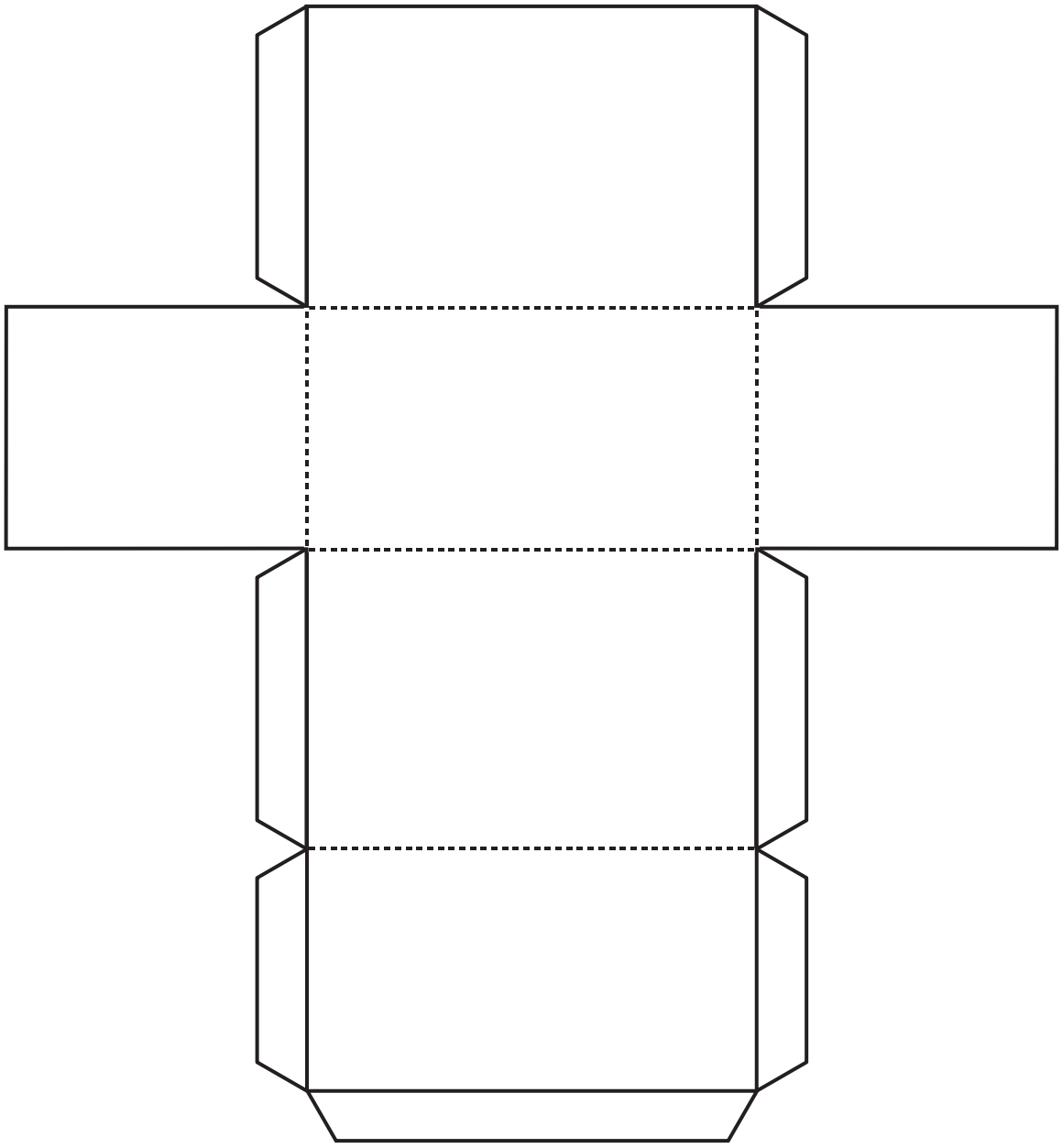


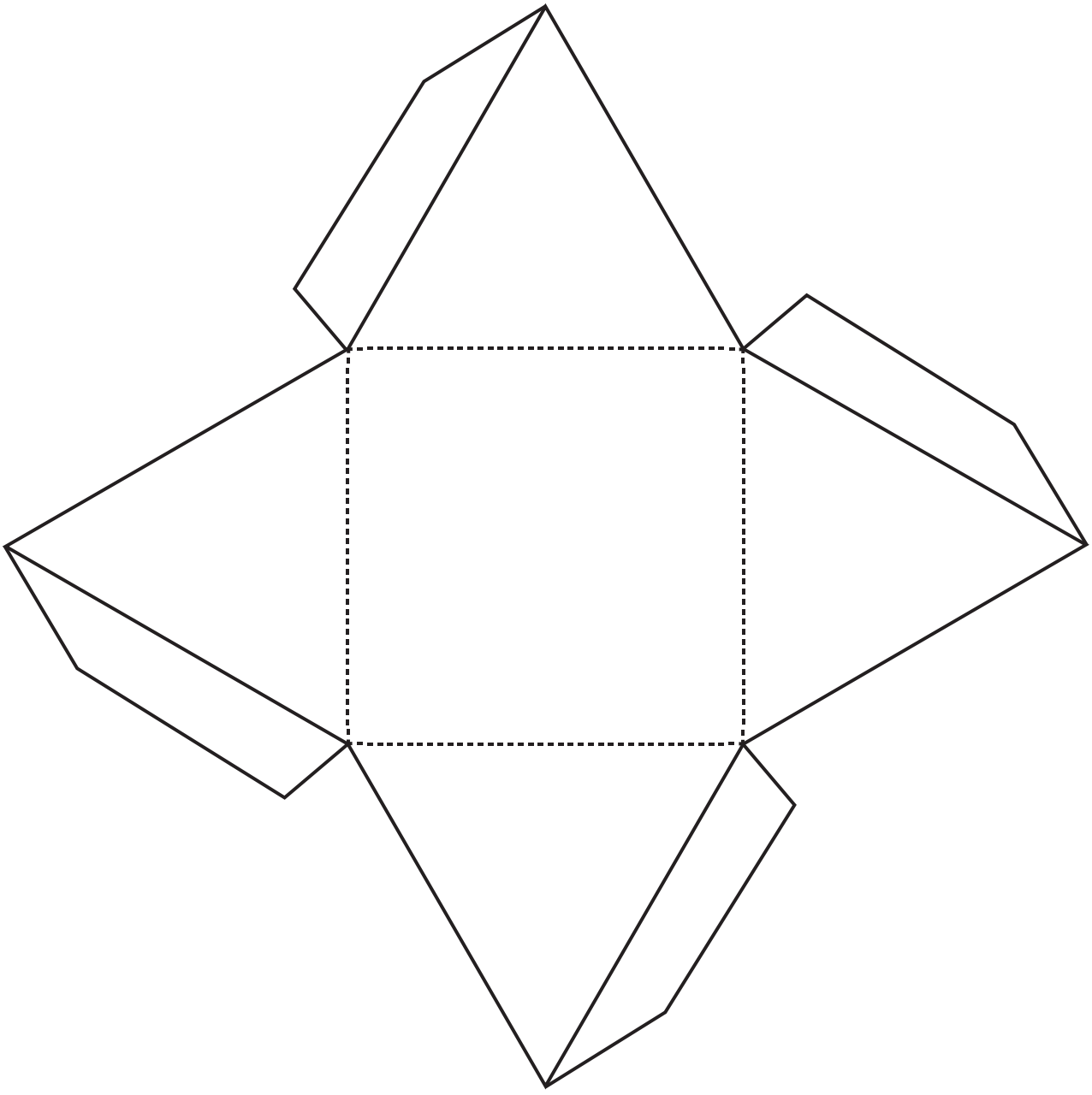


Triangular Pyramid Net

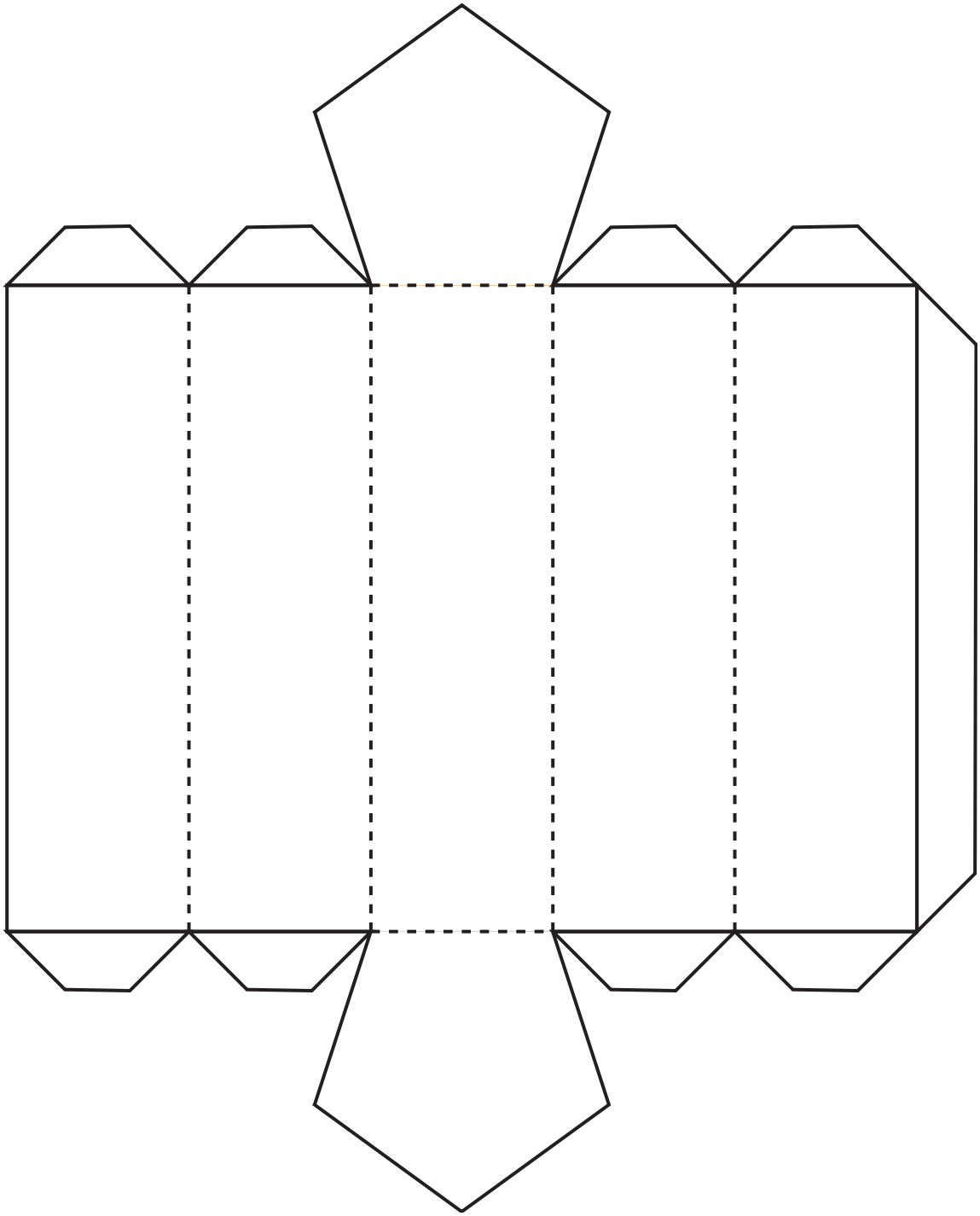


Cube Net

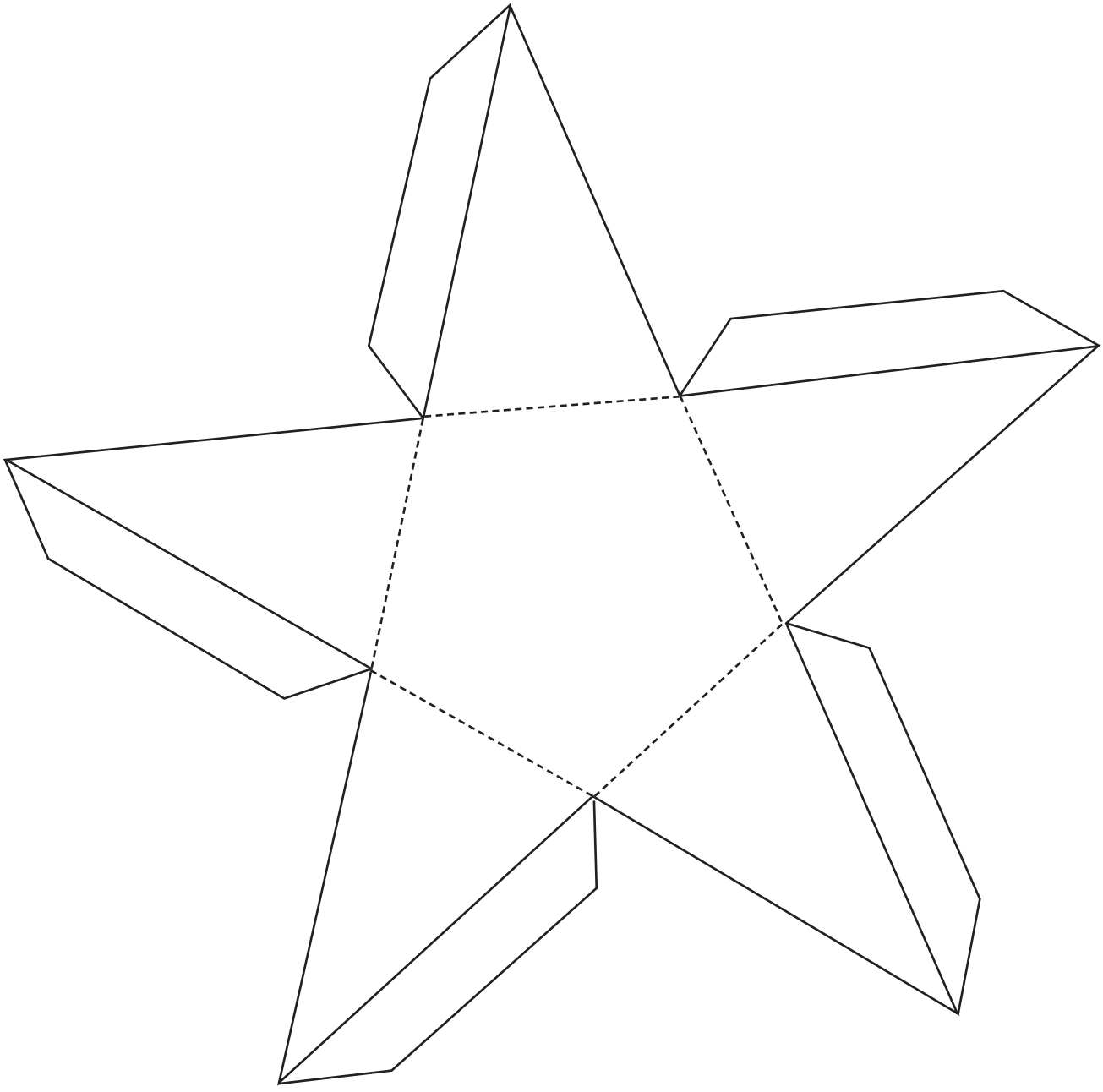




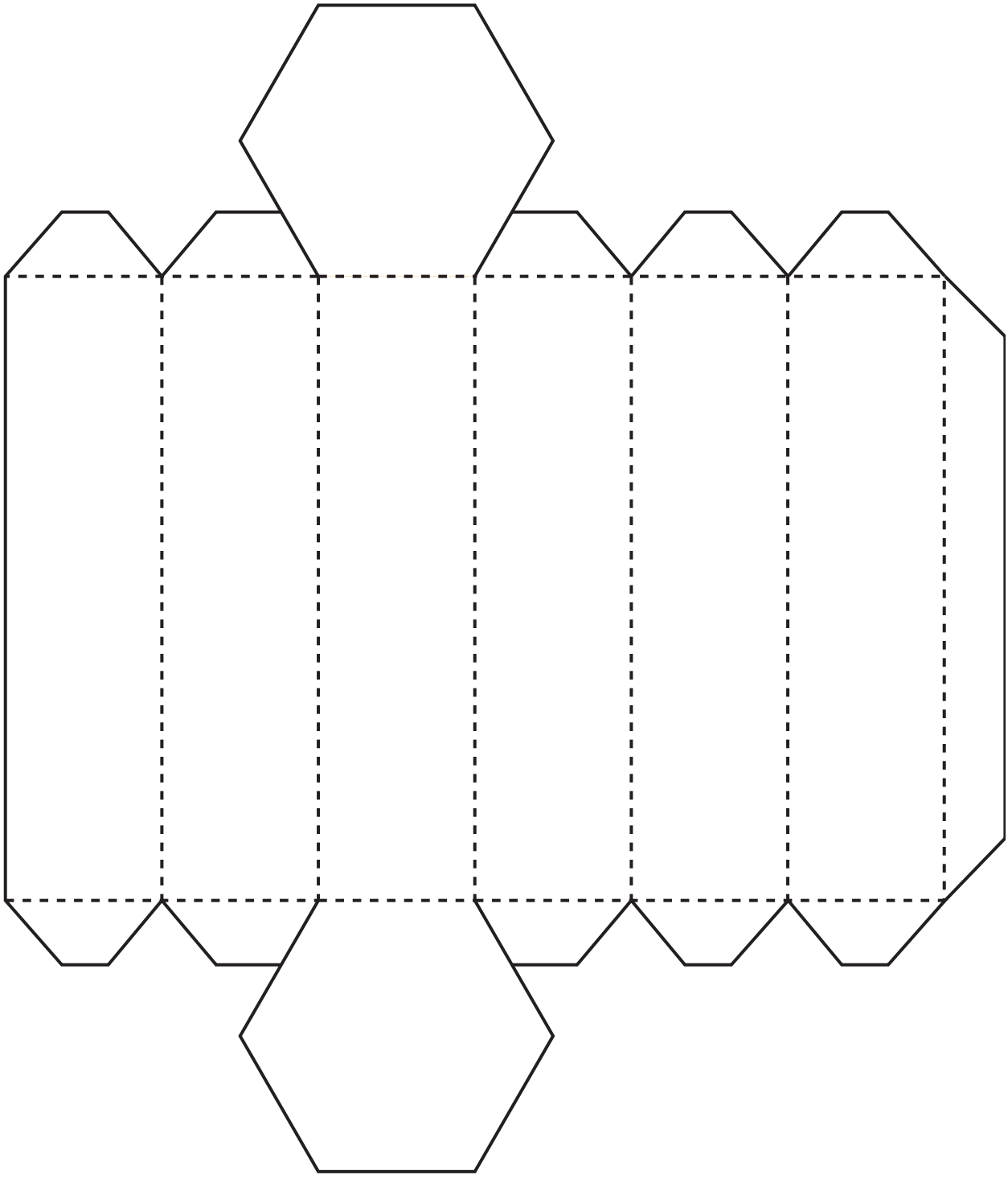
Square Pyramid Net



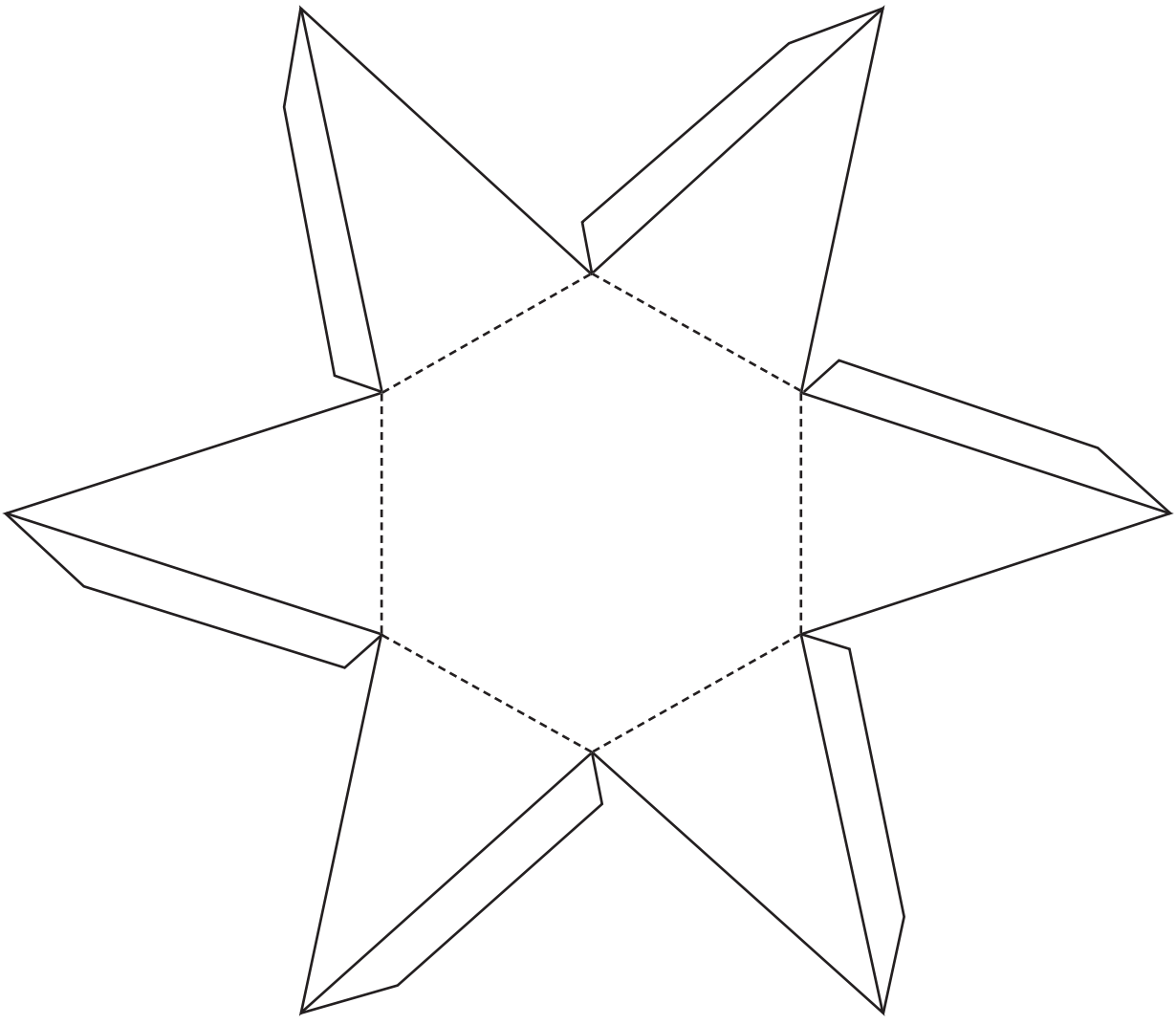
Pentagonal Prism Net

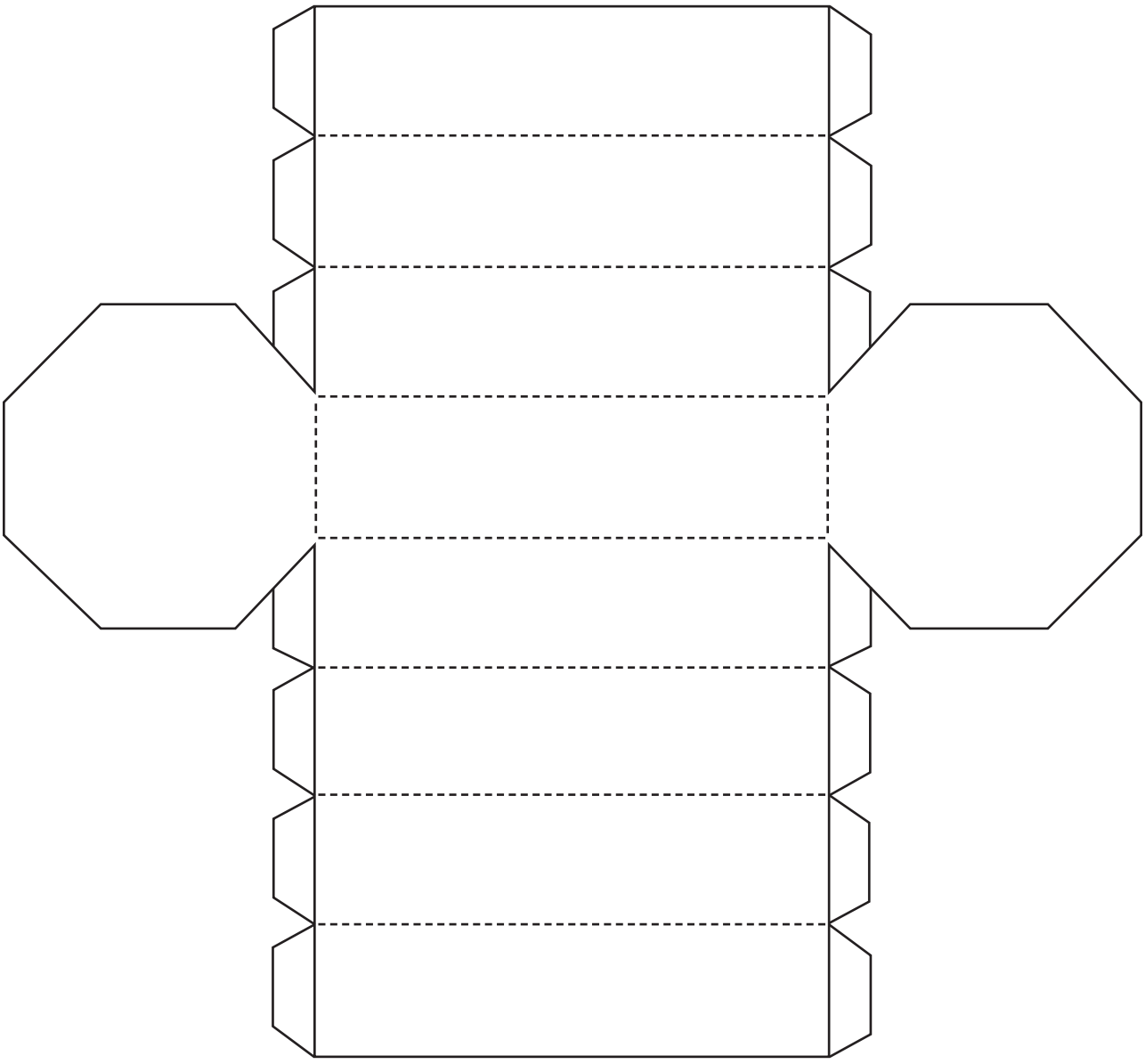


Pentagonal Pyramid Net

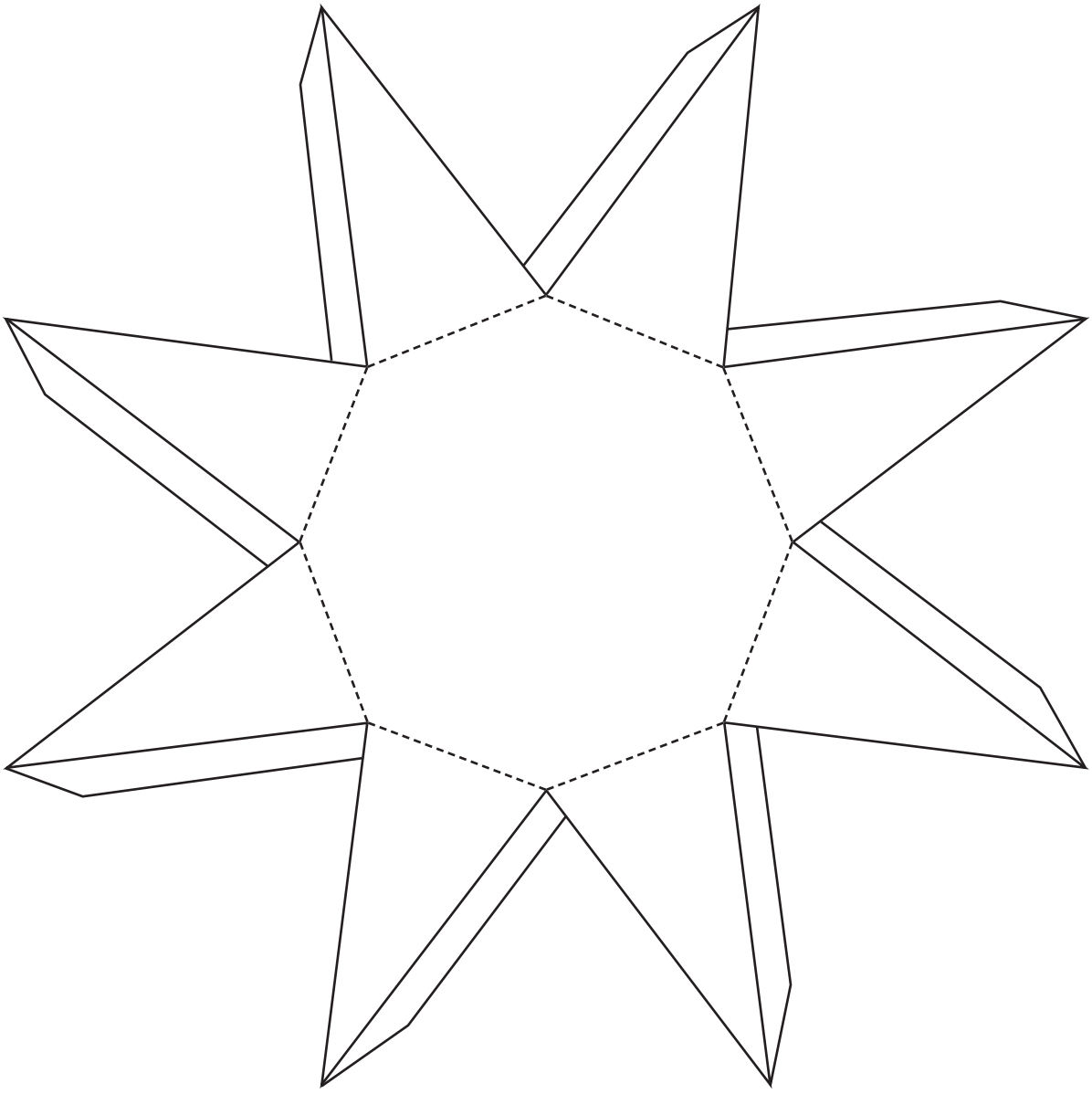


Hexagonal Prism Net

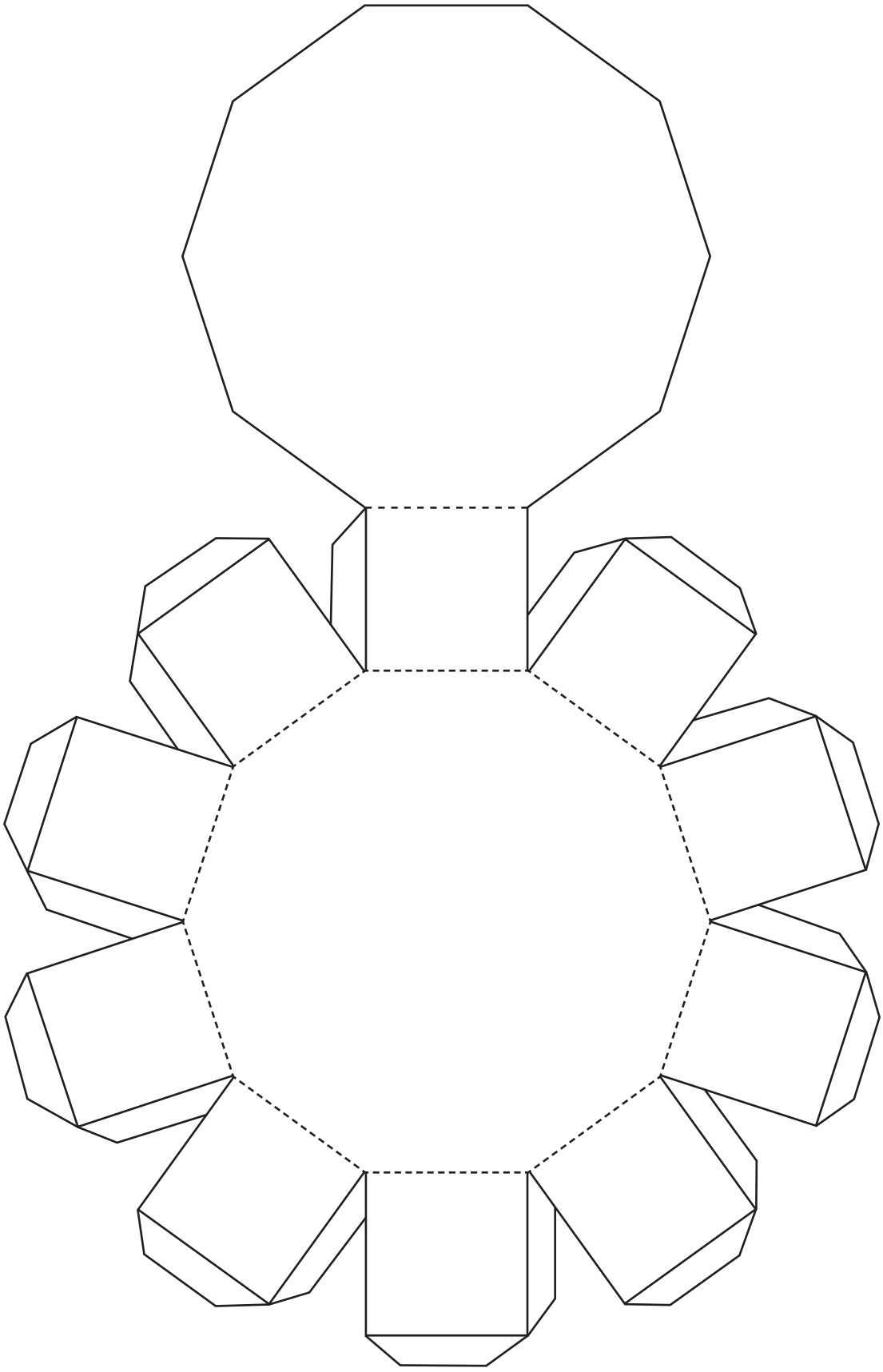




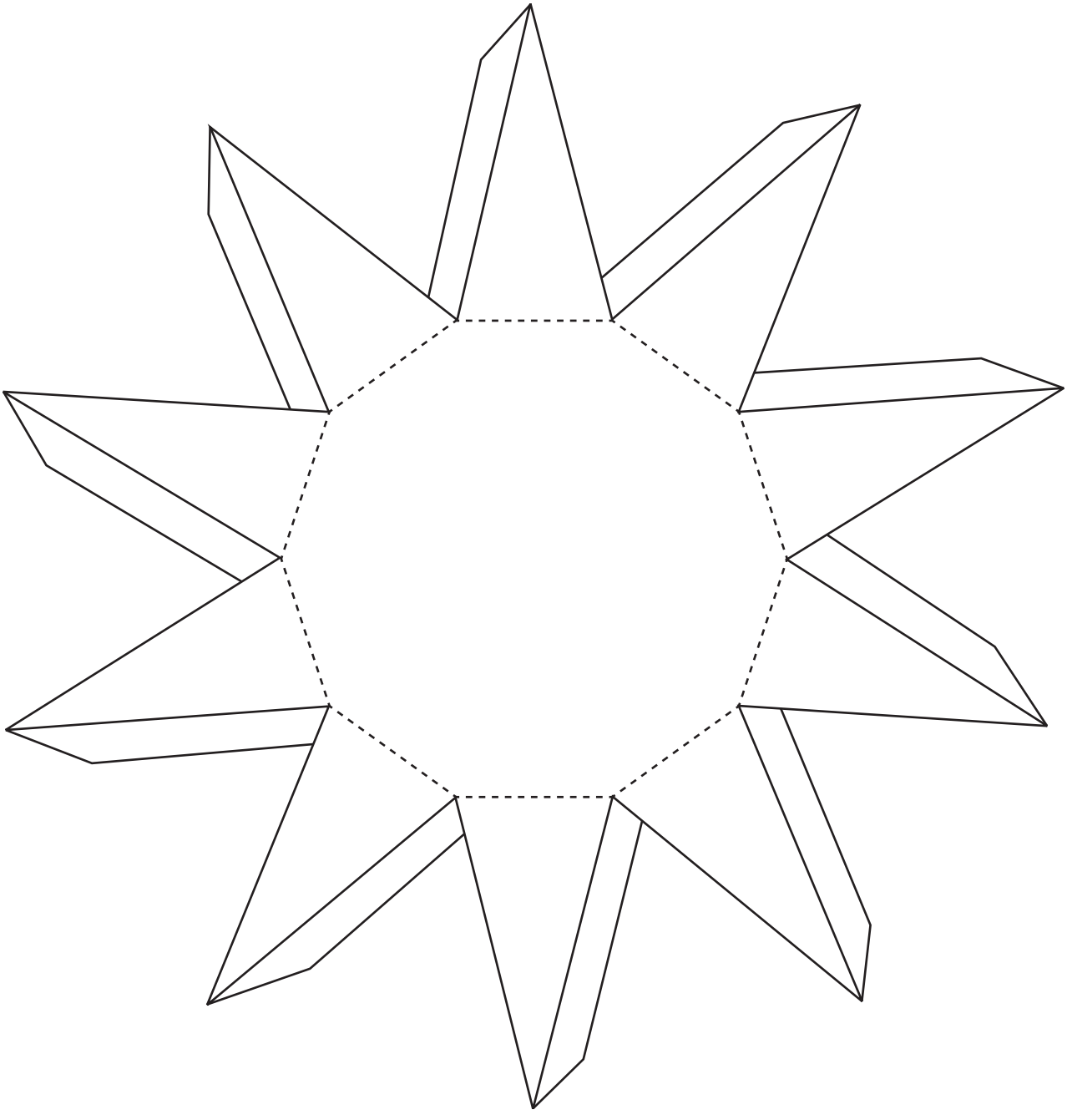
Octagonal Prism Net



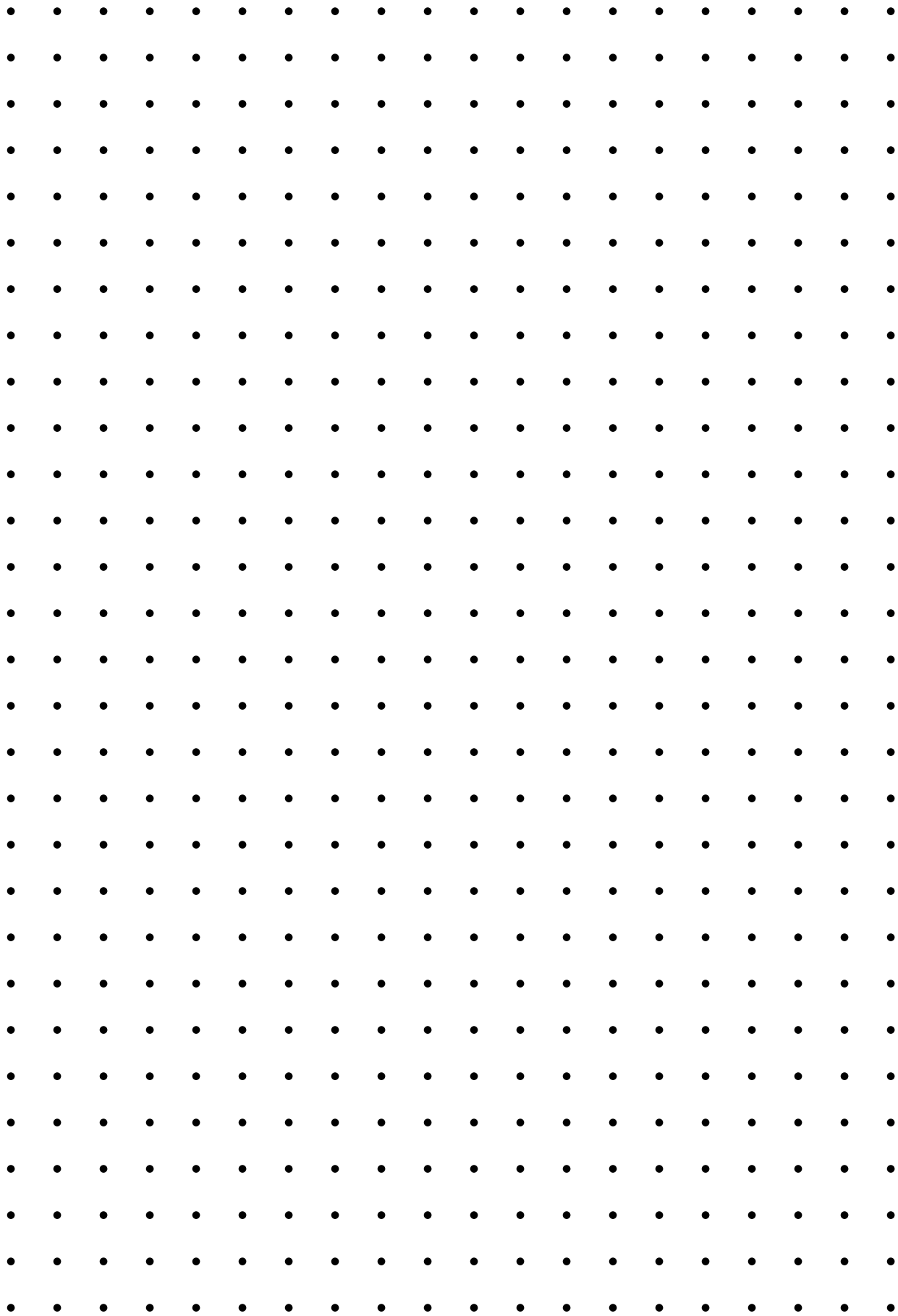
Octagonal Pyramid Net



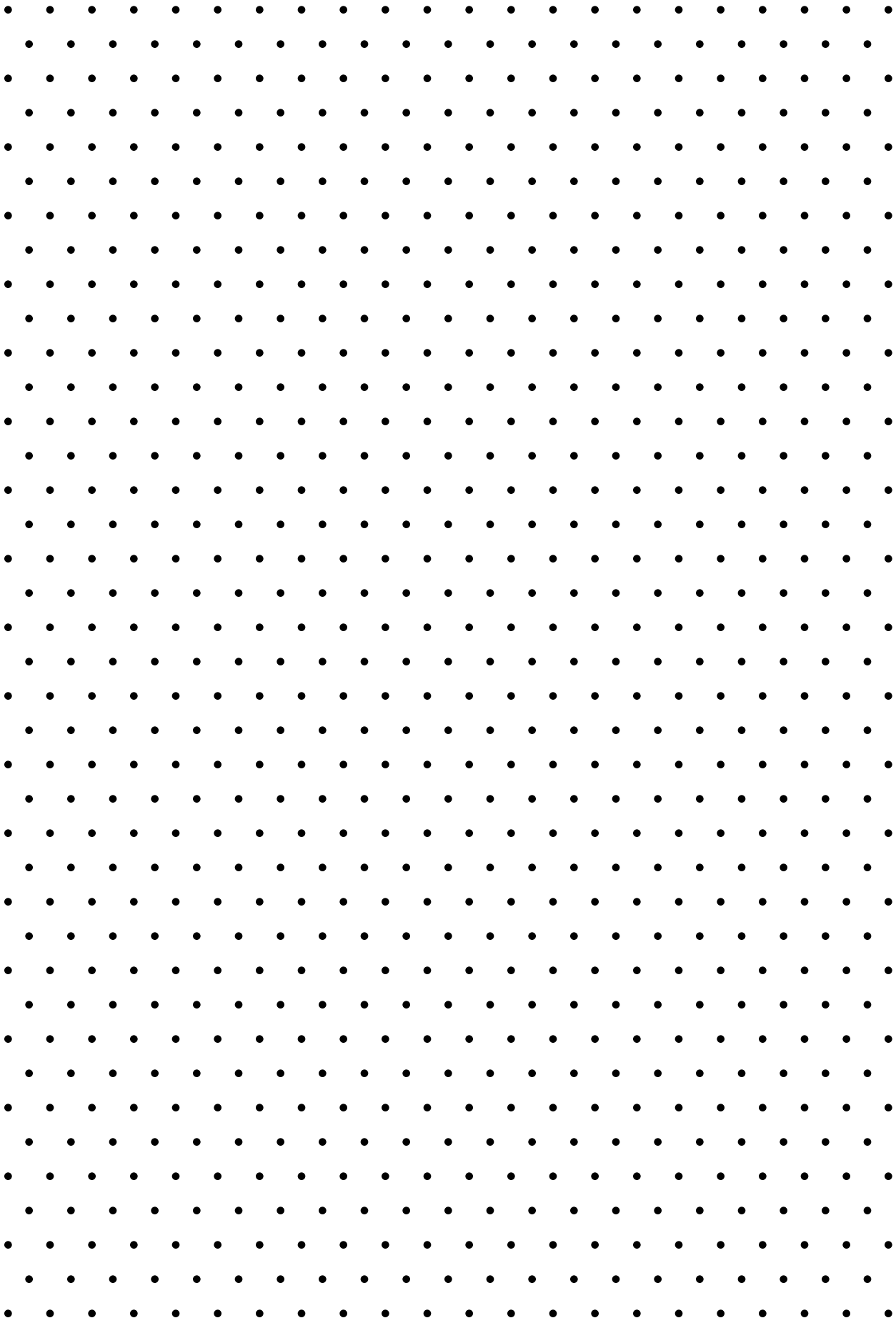
Decagonal Prism Net



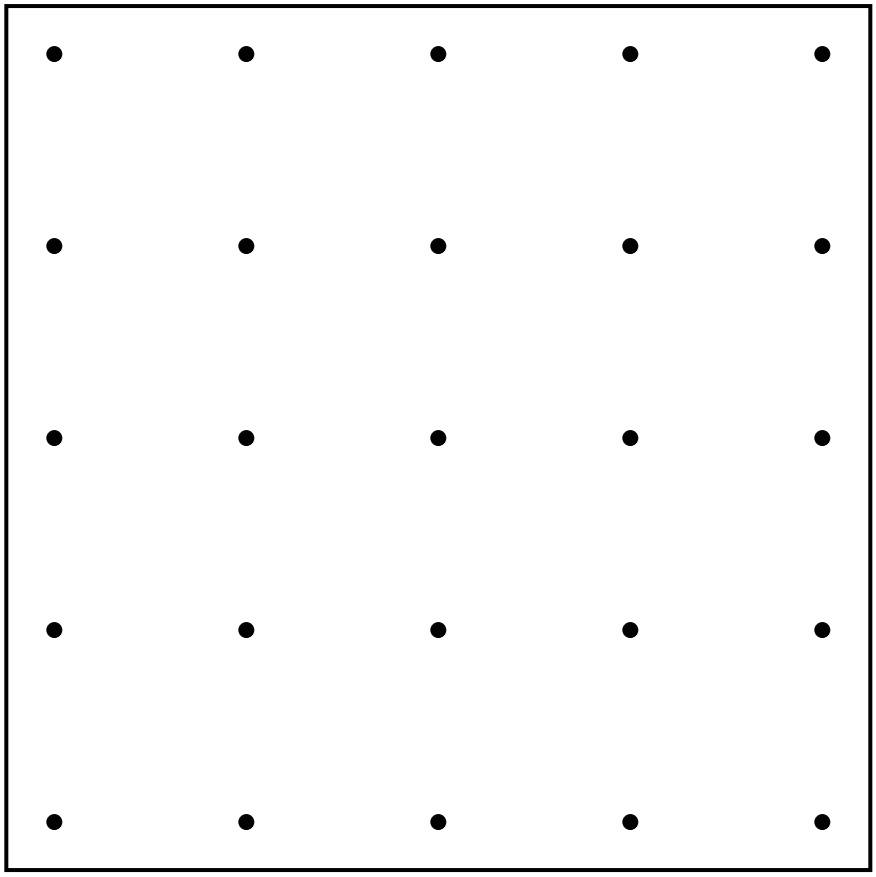
Decagonal Pyramid Net

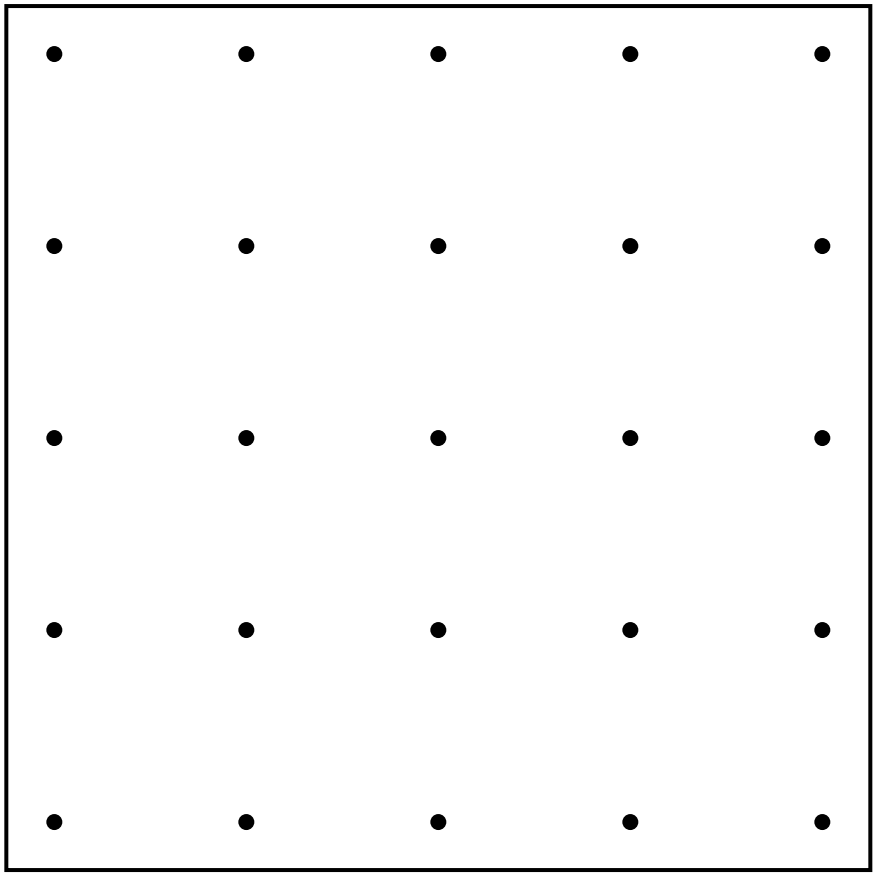


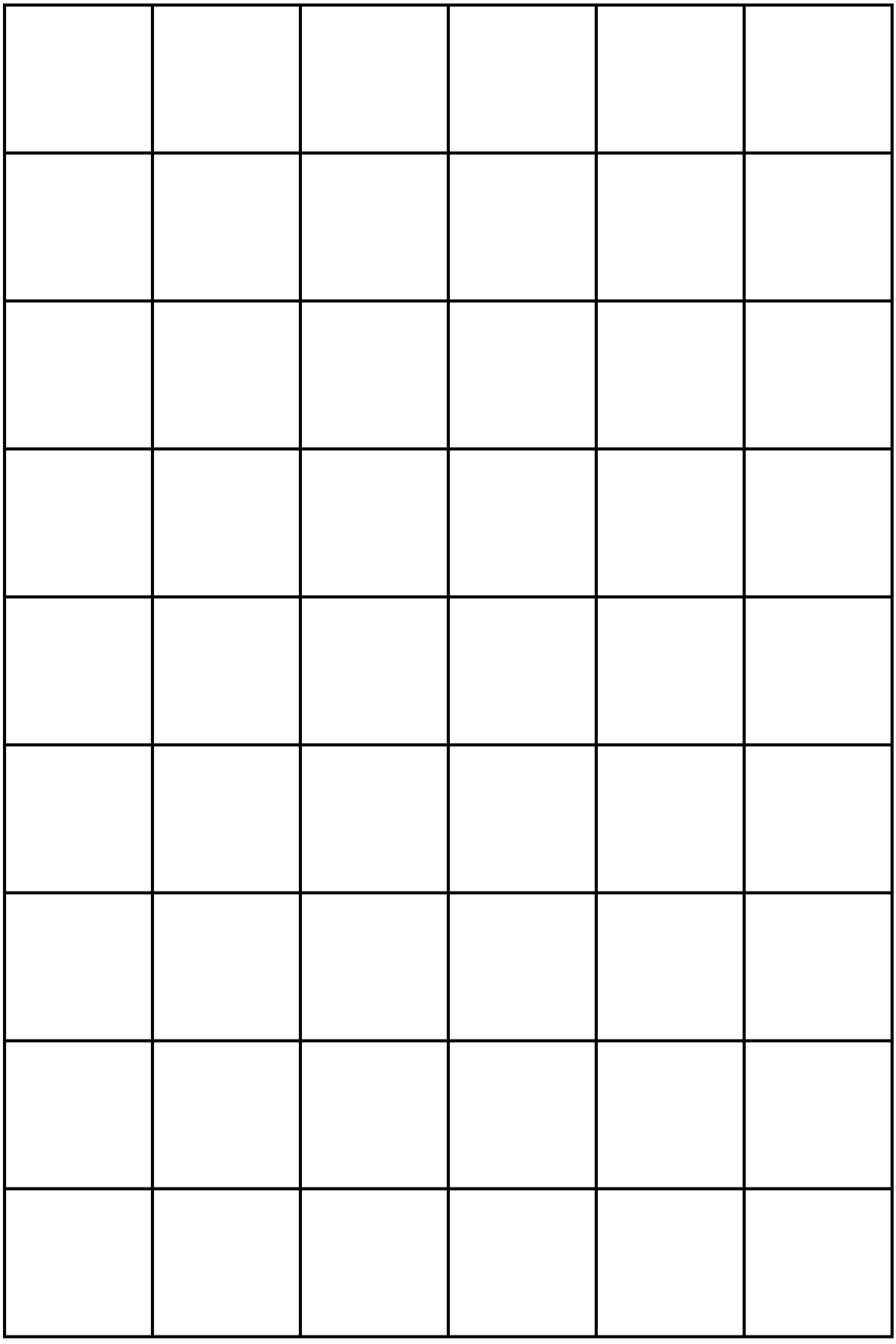
Dot Paper



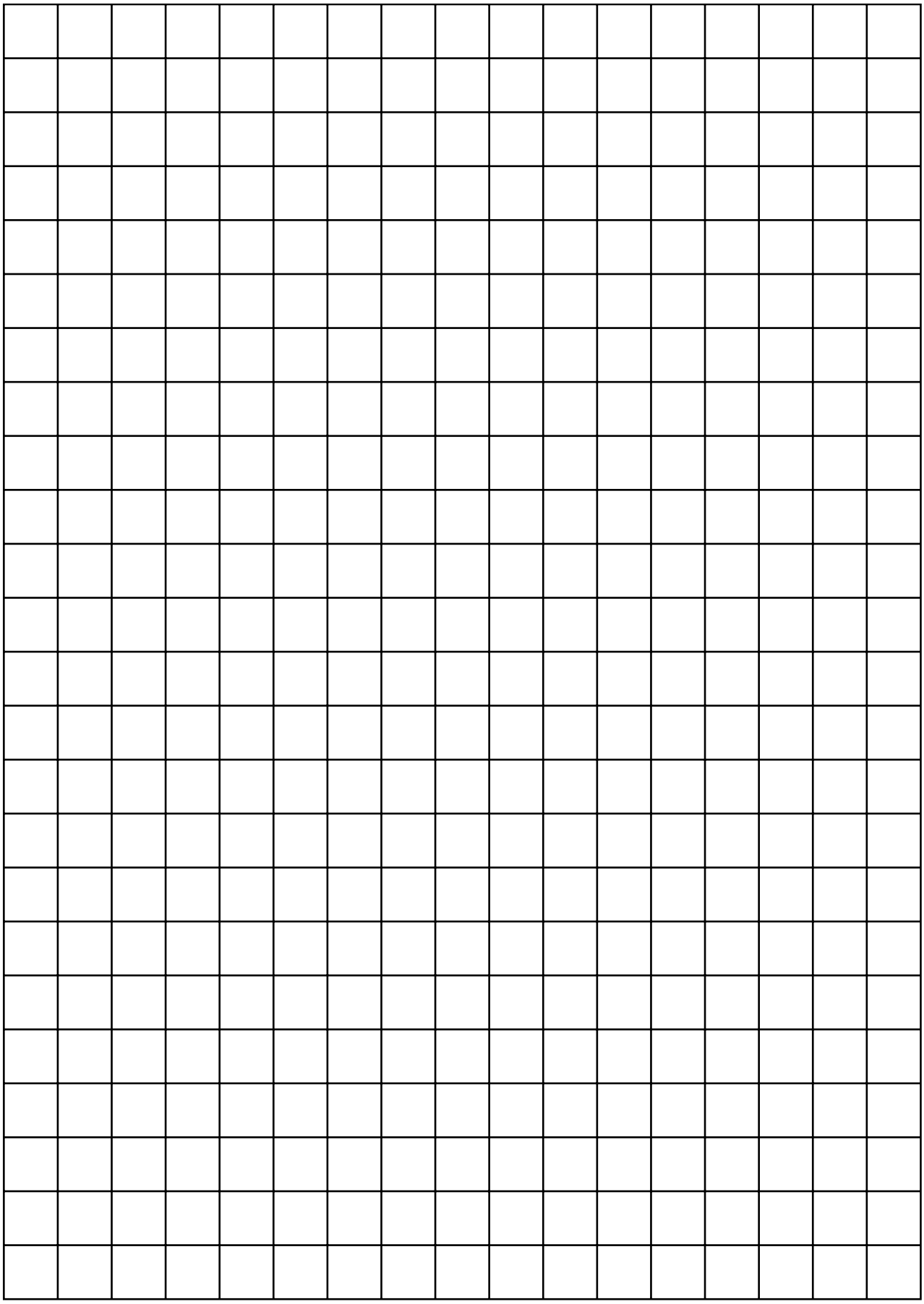
Dot Paper



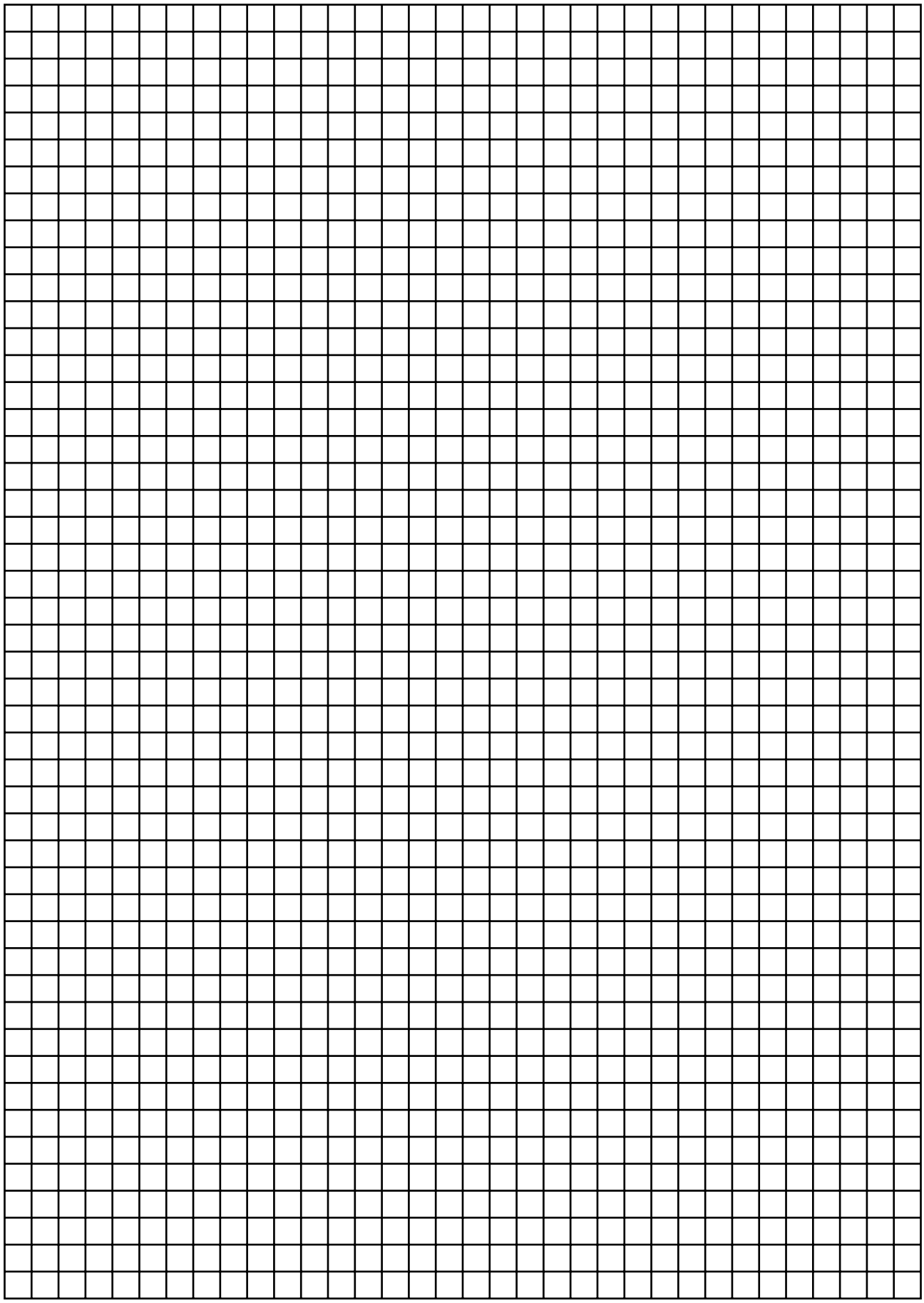




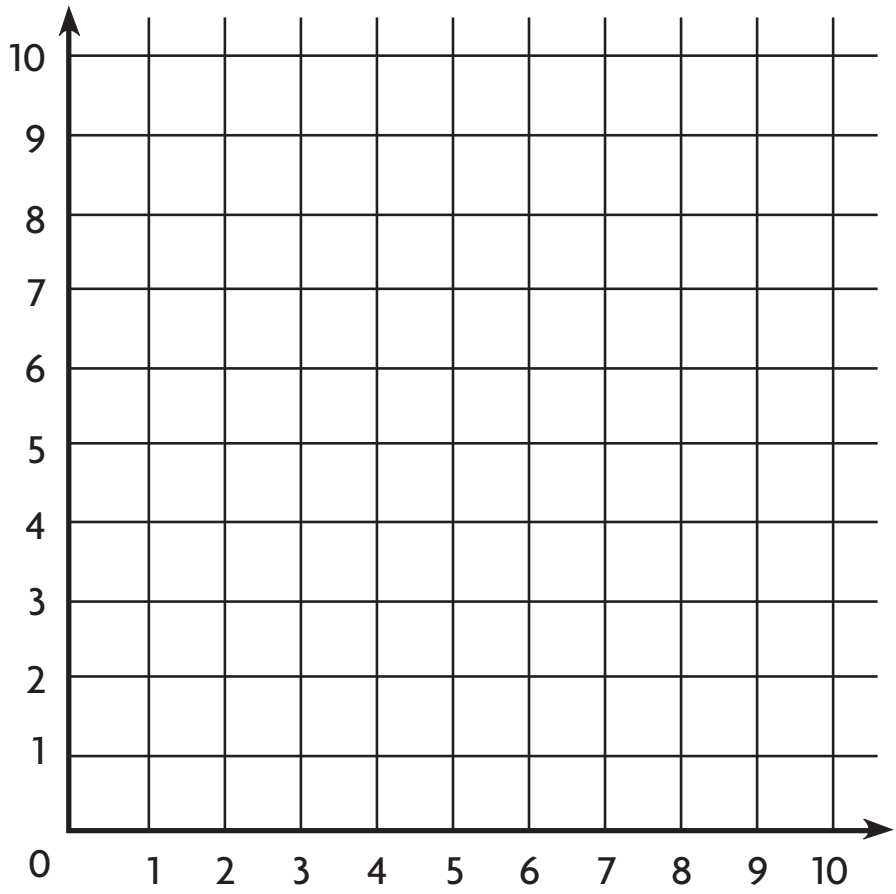
1-Inch Grid Paper

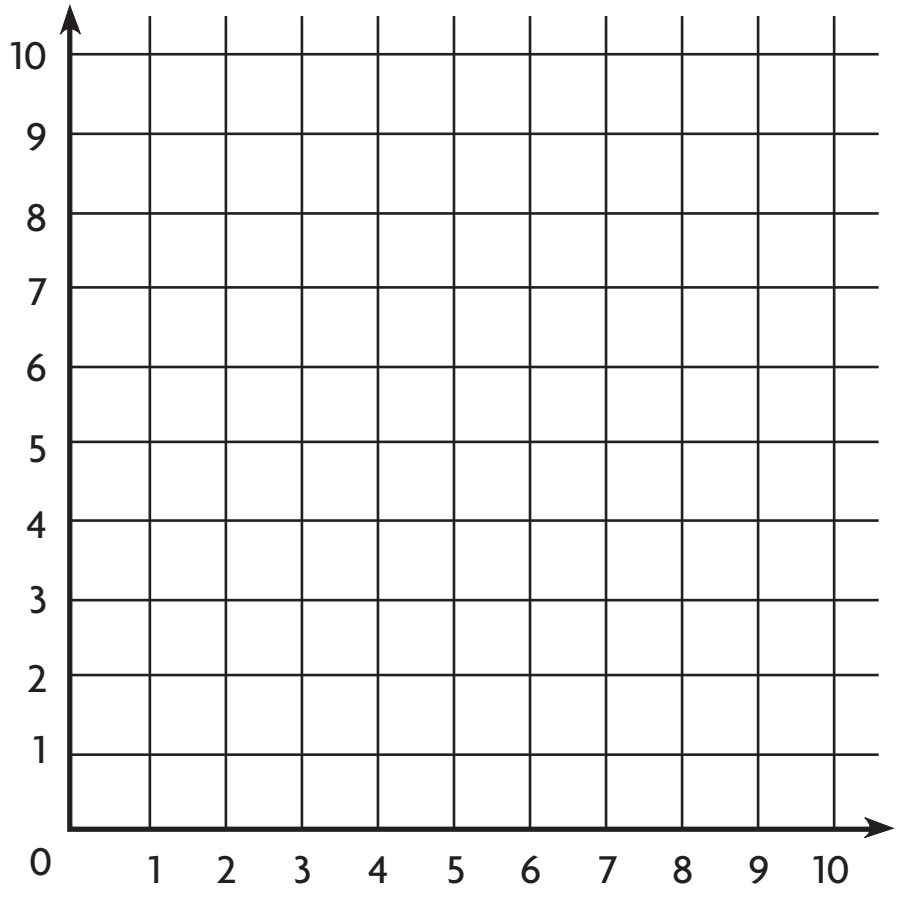


1-Centimeter Grid Paper



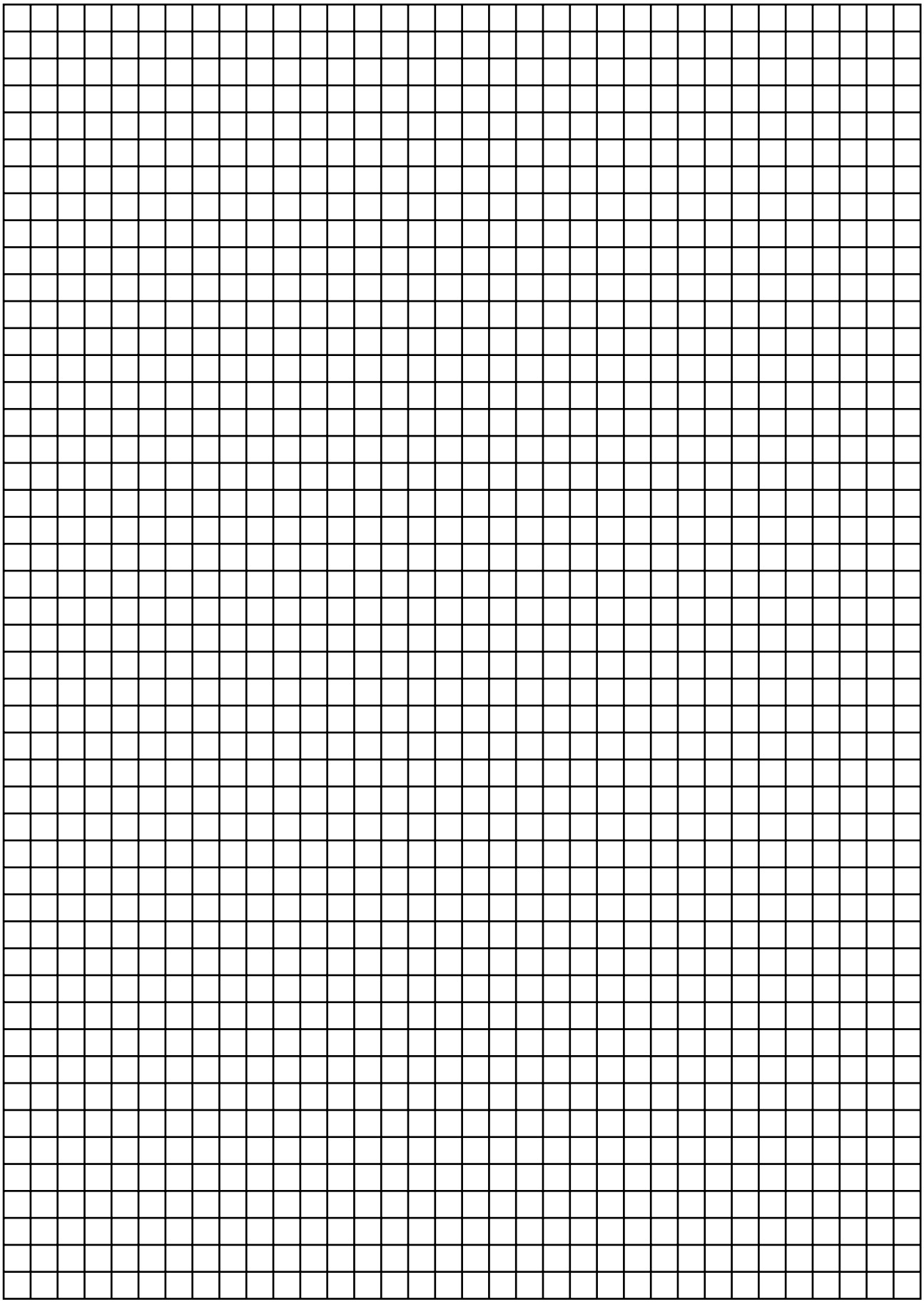
0.5-Centimeter Grid Paper





Grid of Quadrant I

	Tally	Frequency



Title: _____

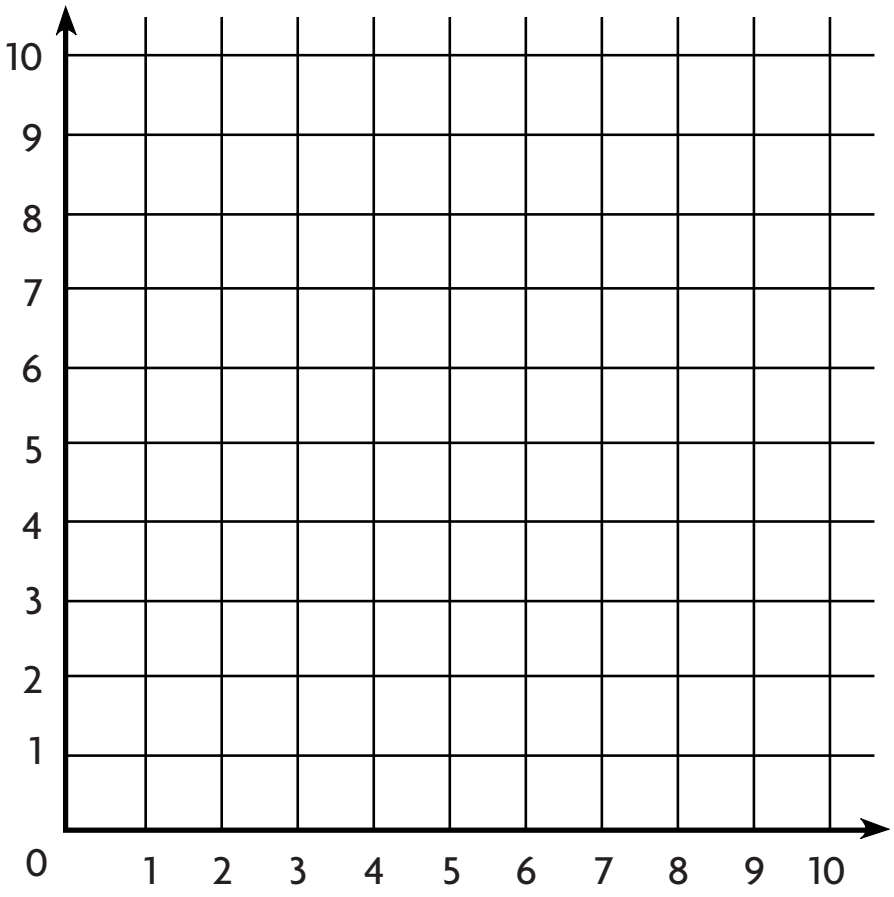
Key: Each ☐ = ☐.

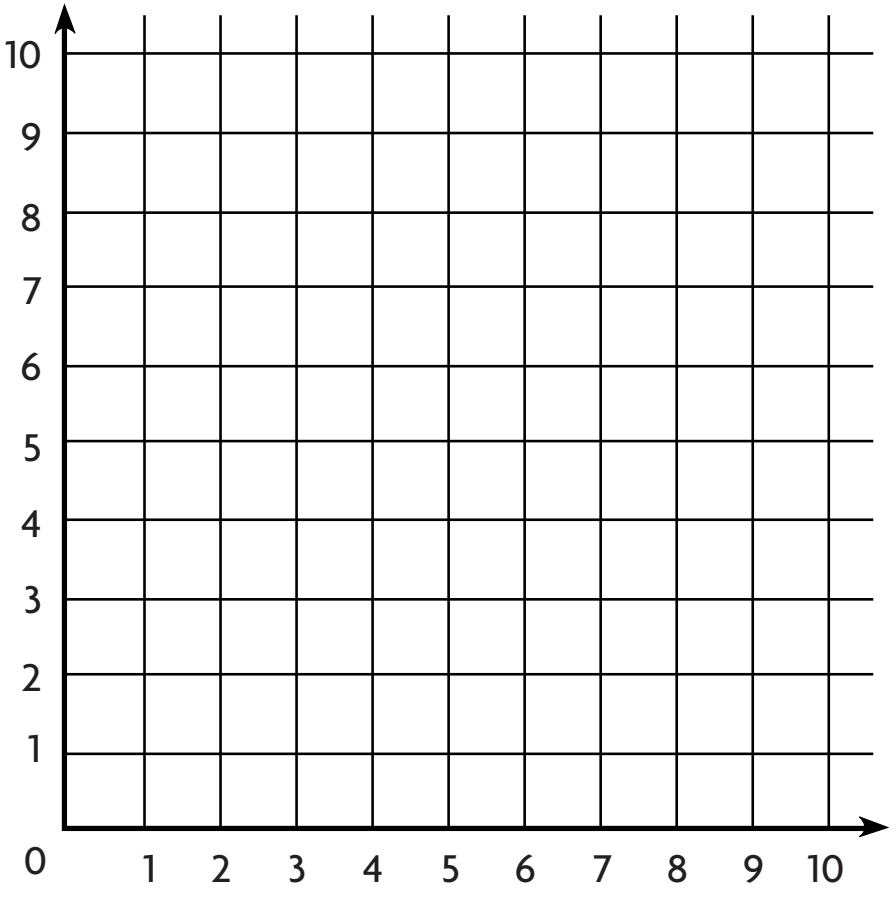
Título: _____

Cada ☐ = ☐ .

Title _____

_____





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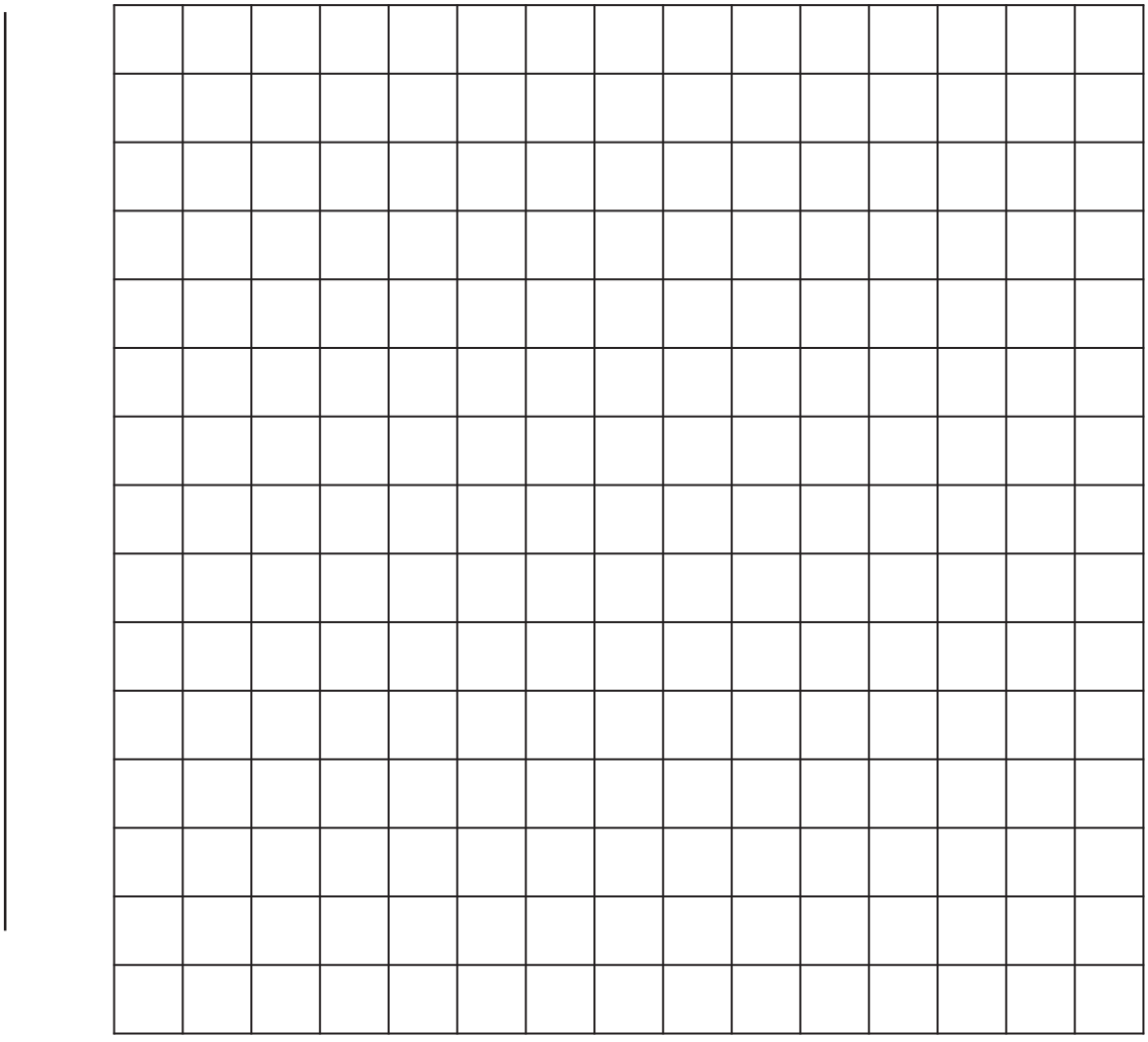

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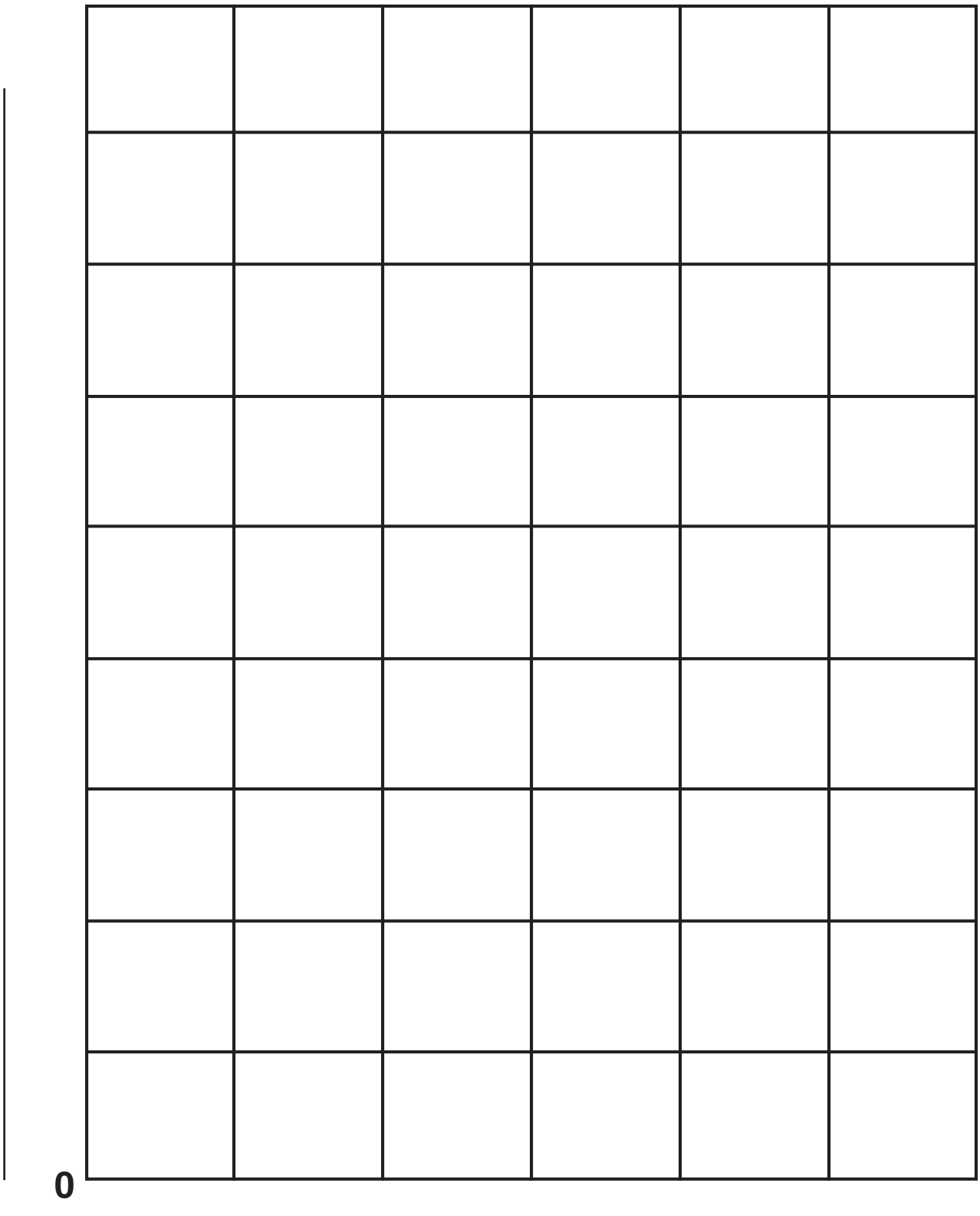
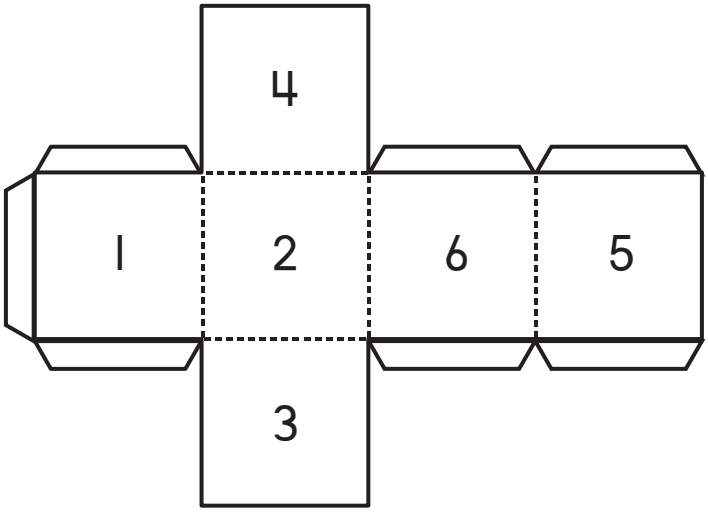
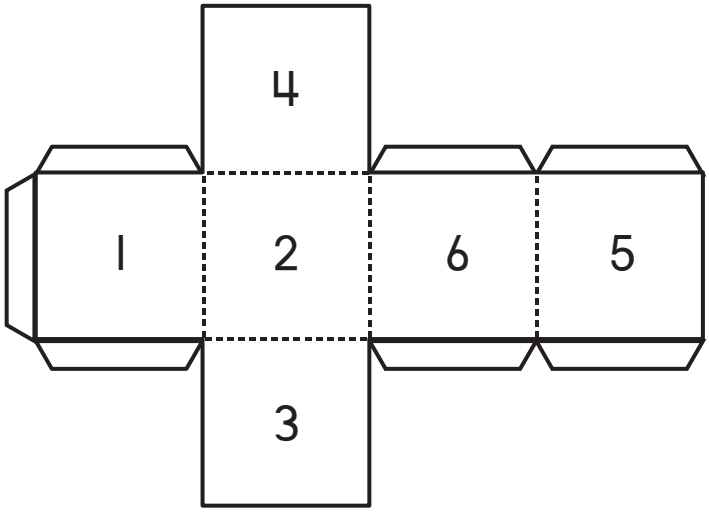
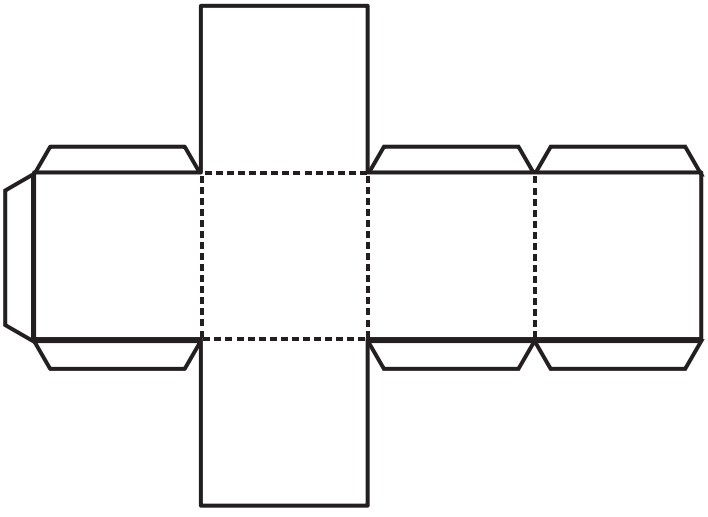
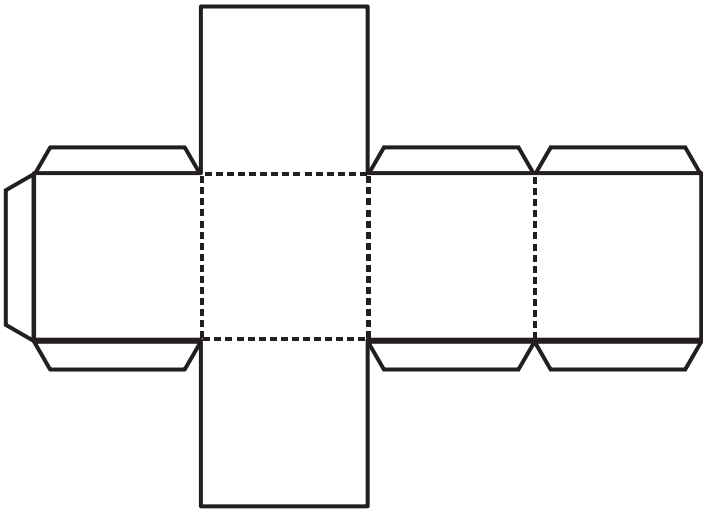
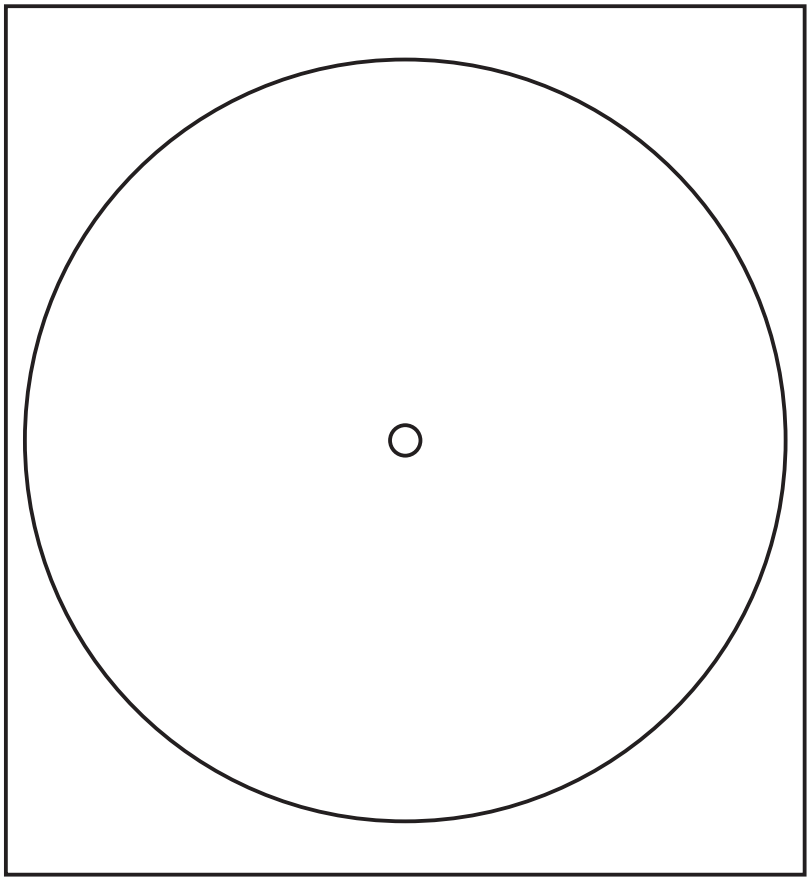


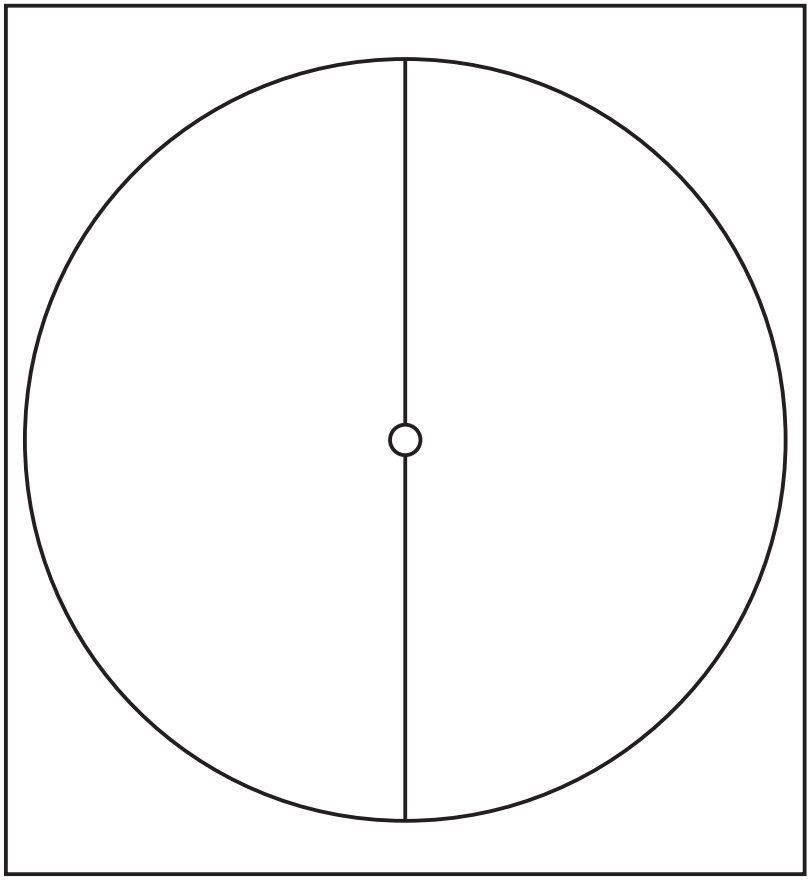












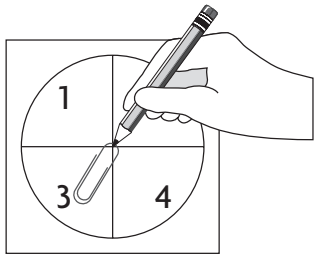
Spinner Tips

How to assemble spinner.

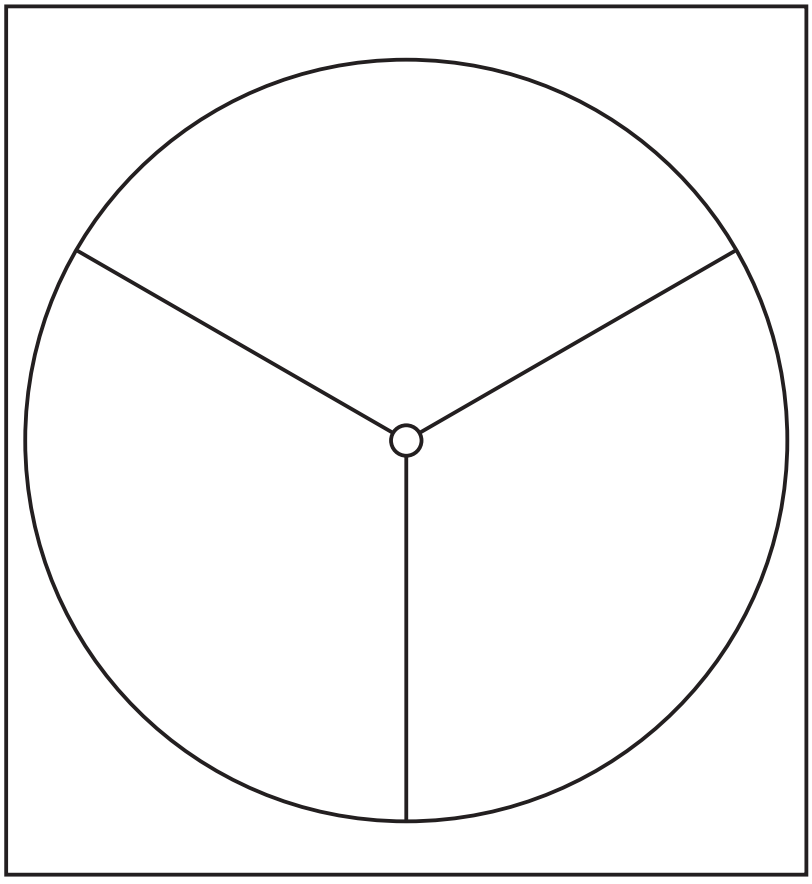
- Glue patterns to tagboard.
- Cut out and attach pointer with a fastener.

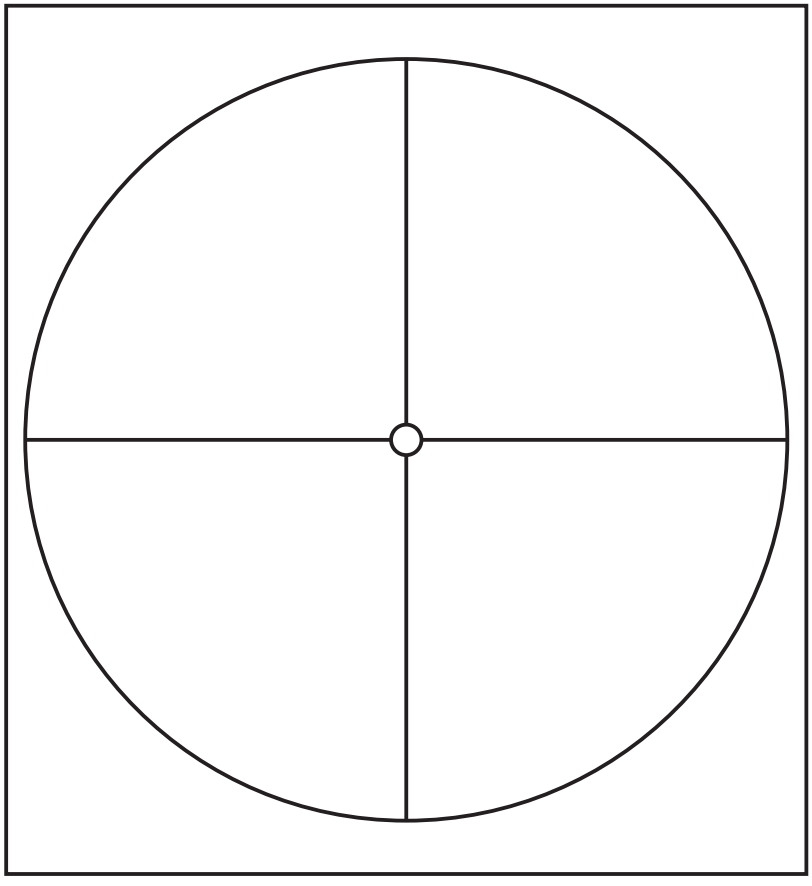
Alternative

- Students can use a paper clip and pencil instead.



	Conteo	Frecuencia





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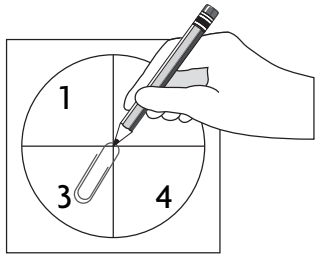
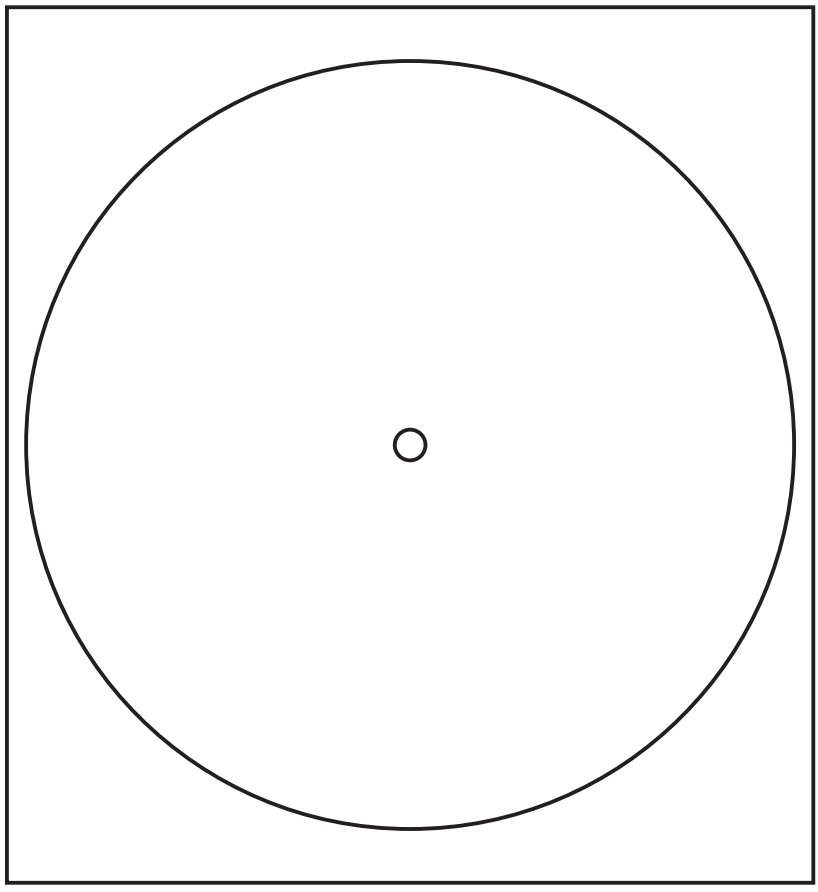
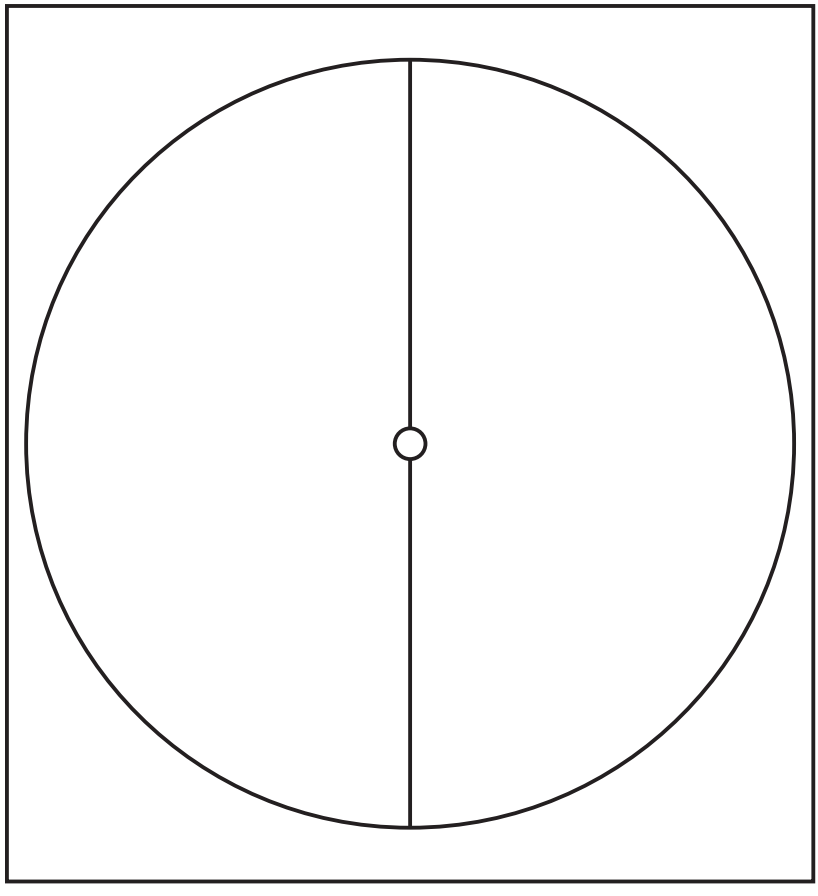






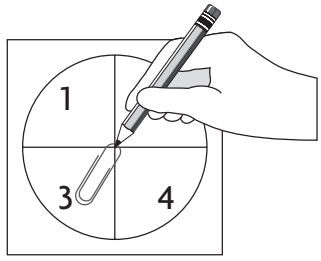
Sugerencias

Cómo armar la flecha giratoria

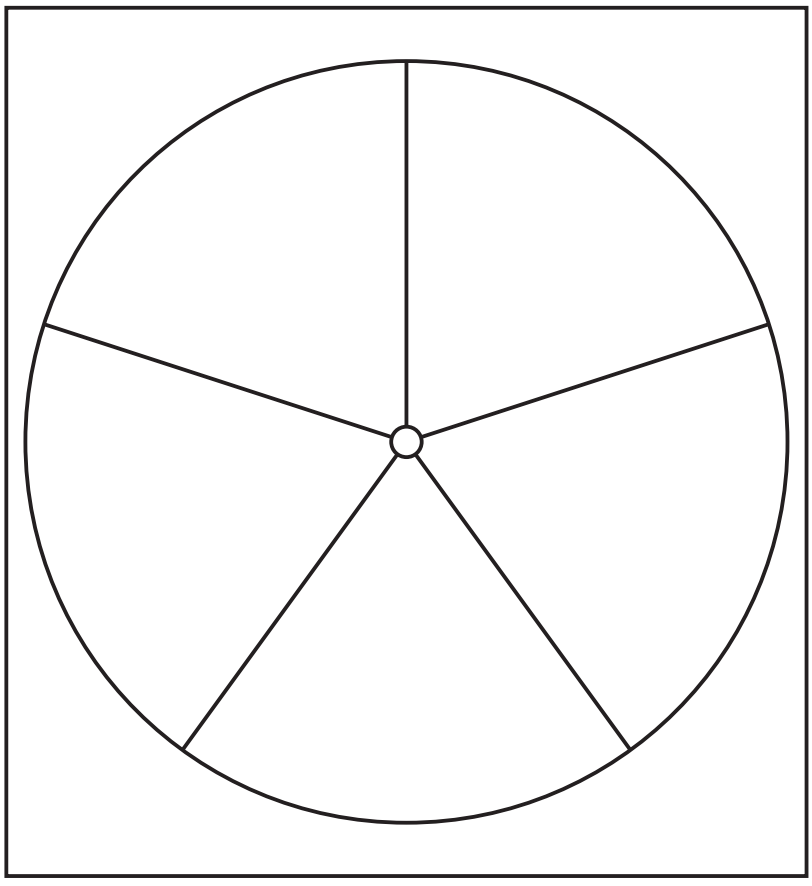
- Pega los patrones en un cartón.
- Recorta y asegura la flecha con un sujetador.

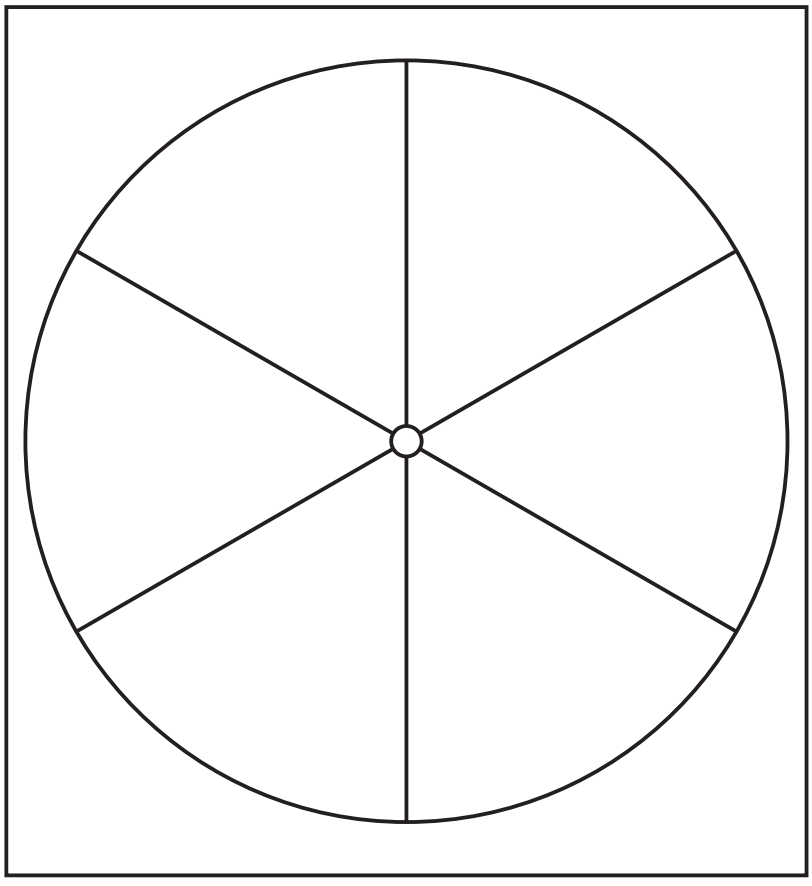
Opción

- Los estudiantes pueden usar un clip y un lápiz.



Flechas giratorias
(en blanco y de 2 secciones)





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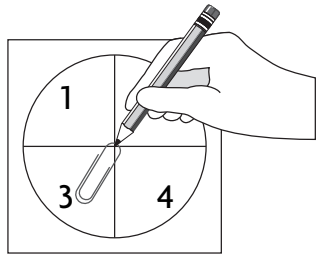

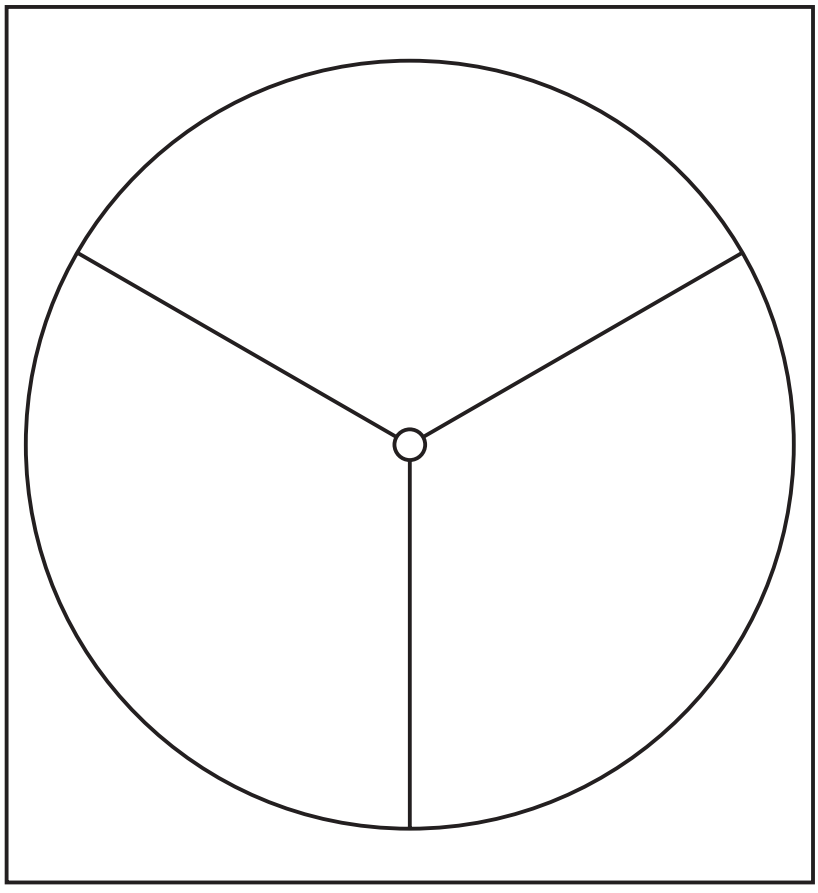

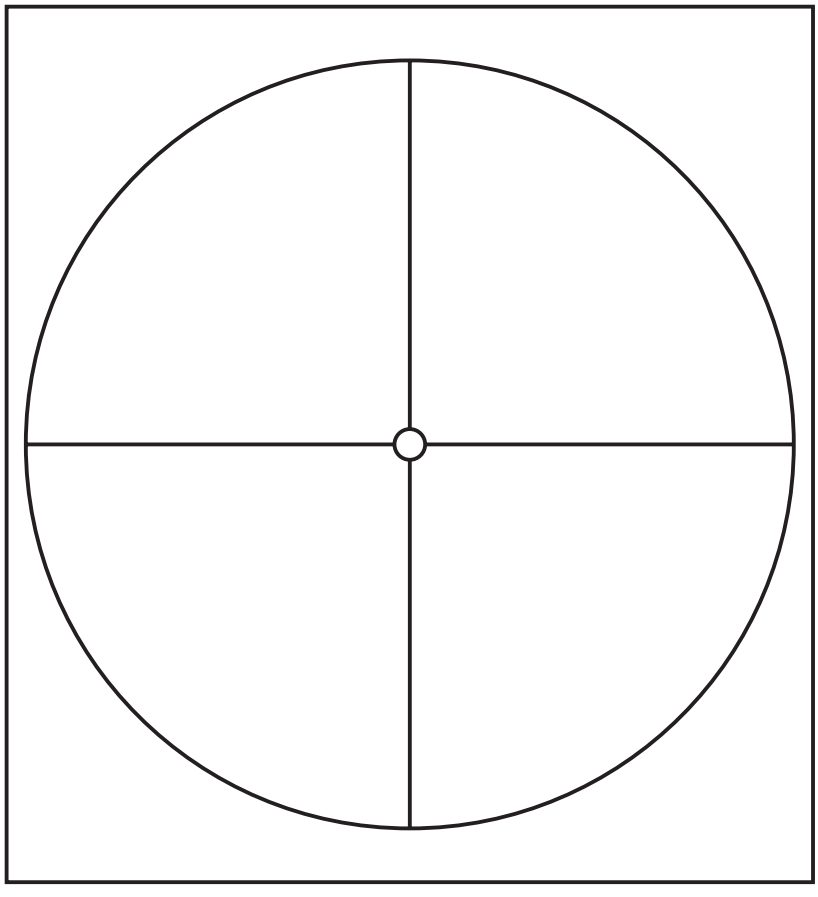

Sugerencias

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Opción

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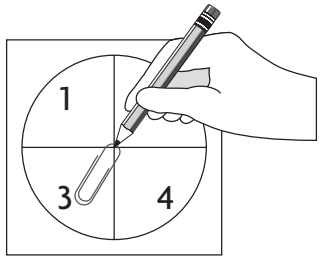

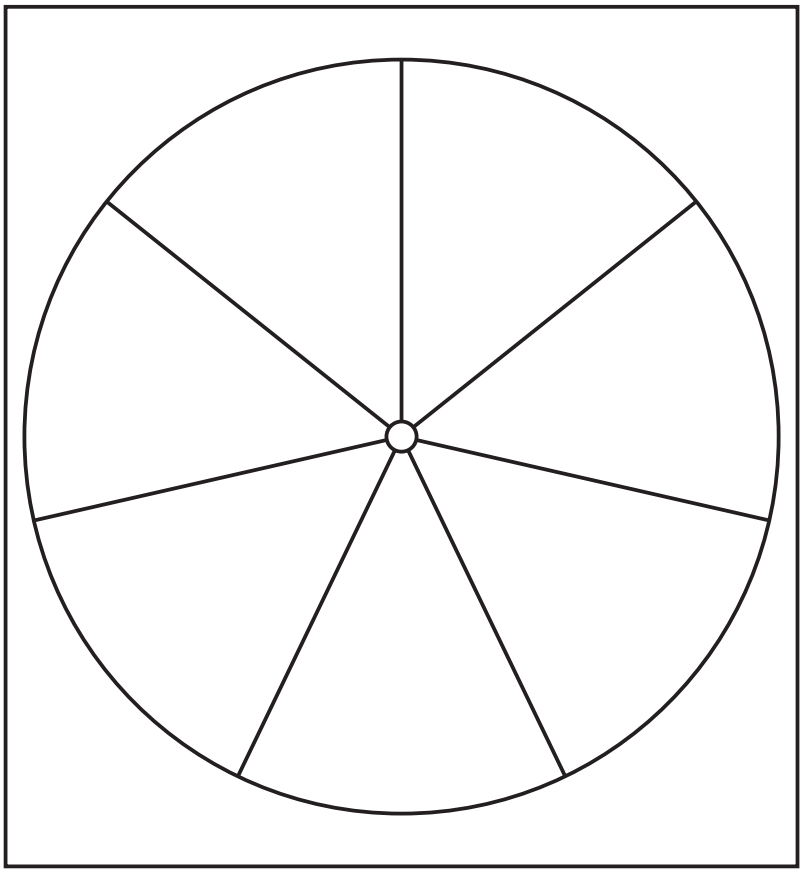

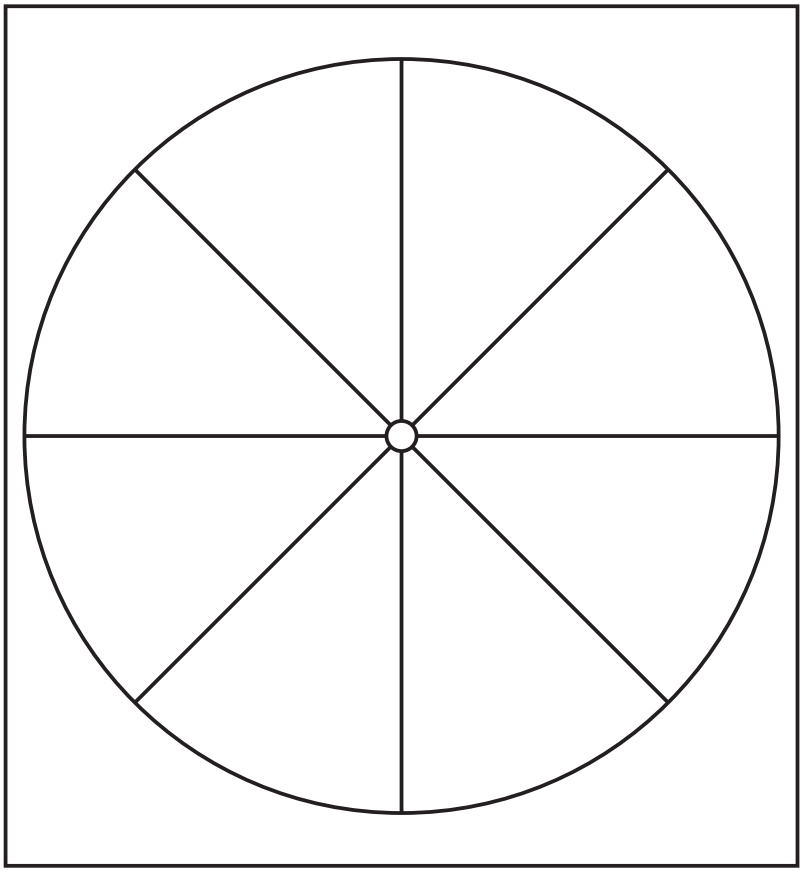

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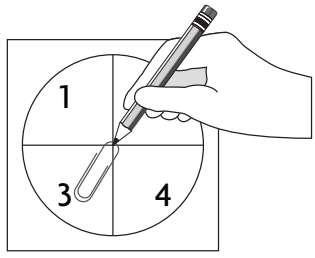

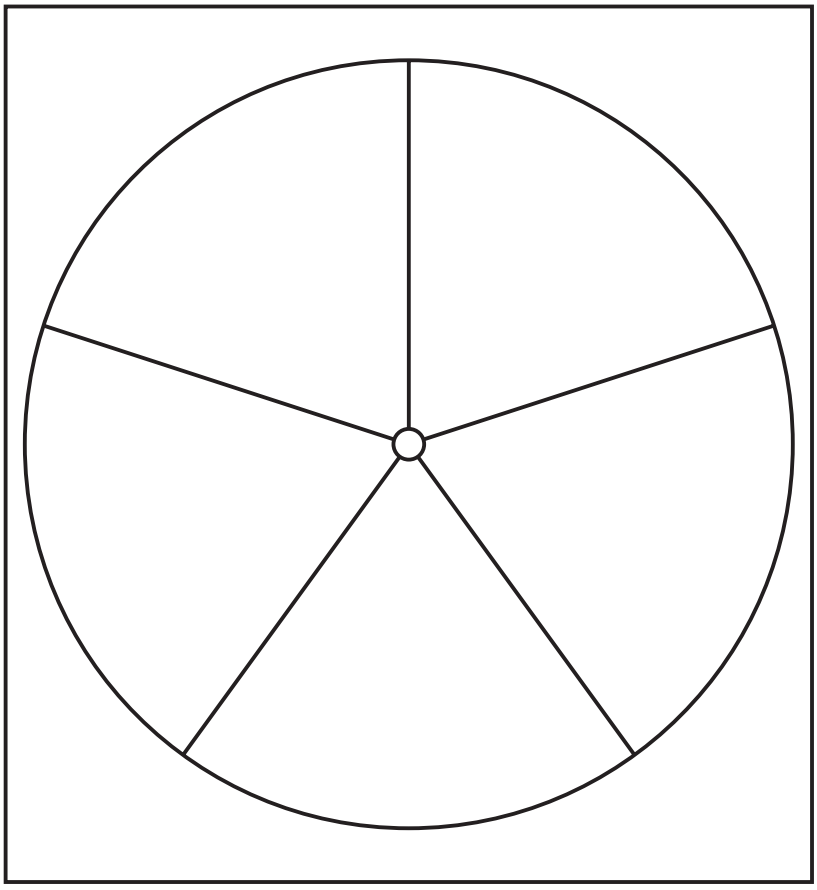

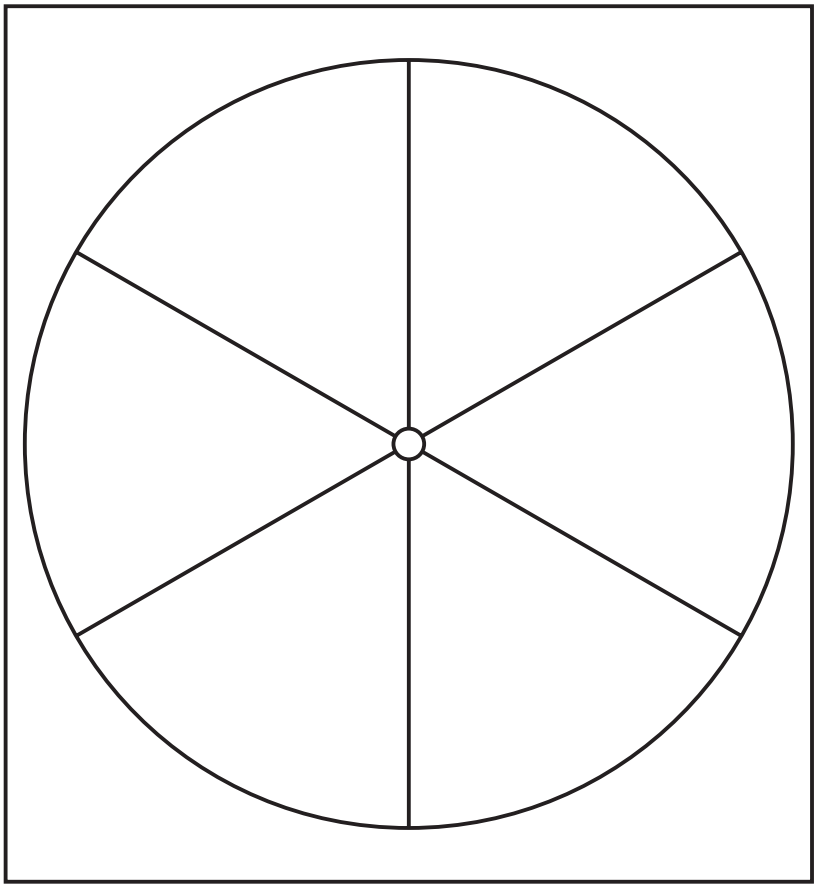

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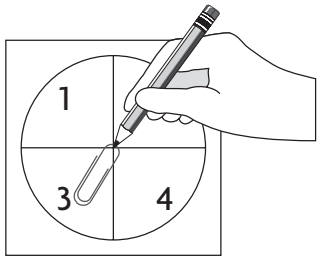
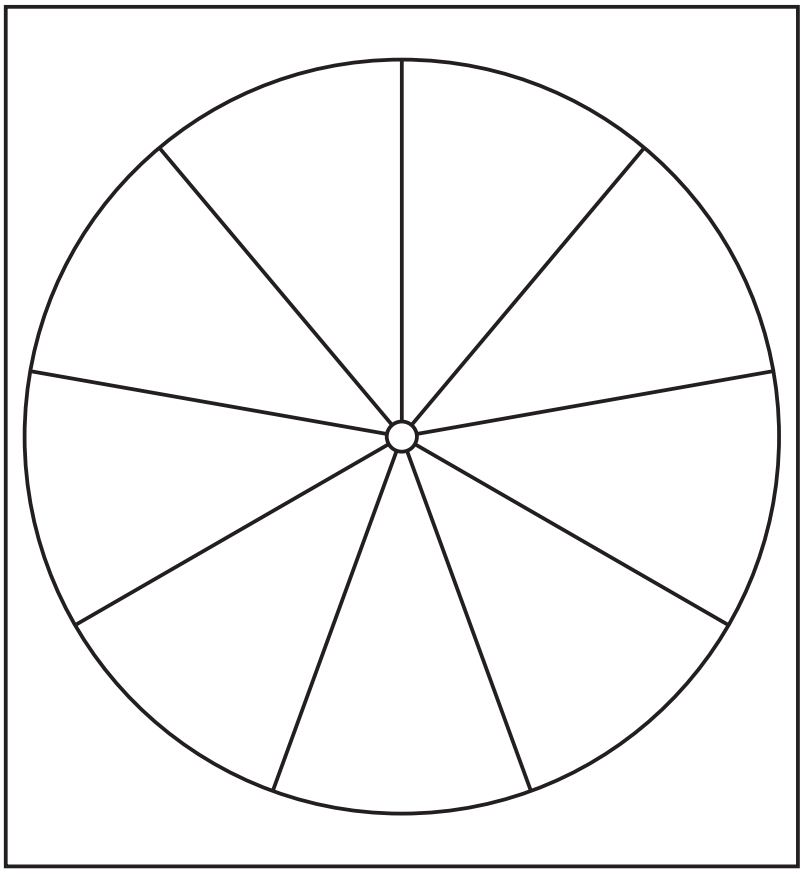
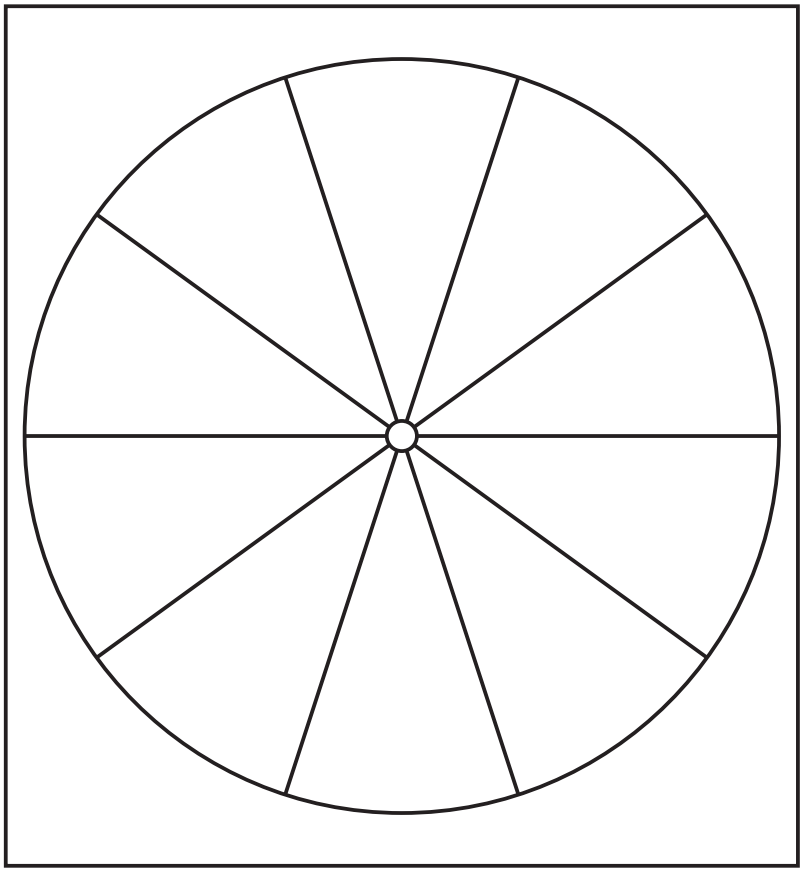


Flechas giratorias
(de 5 y de 6 secciones)





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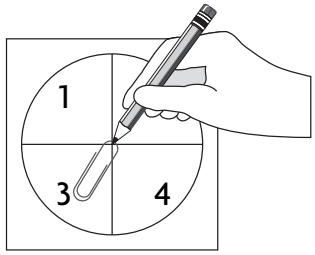

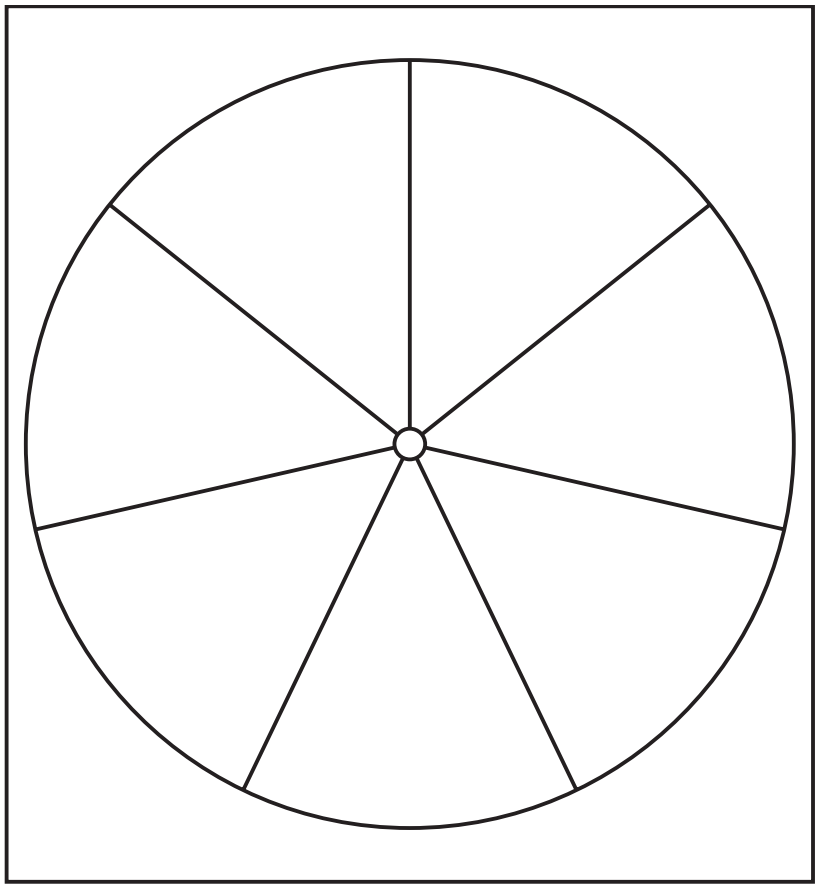

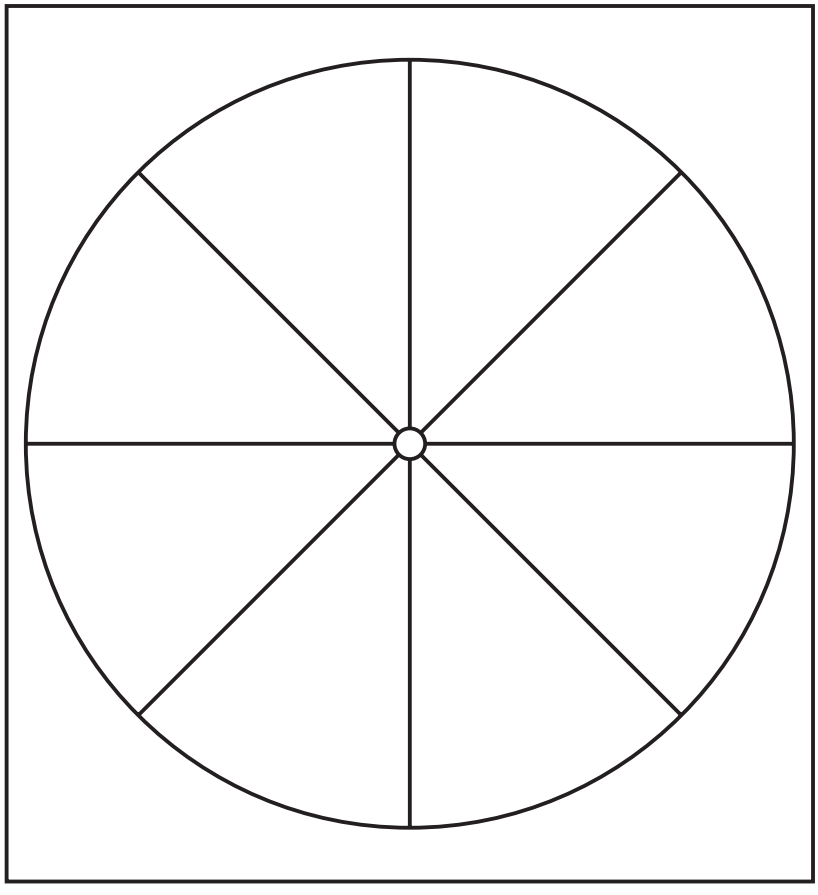

Sugerencias

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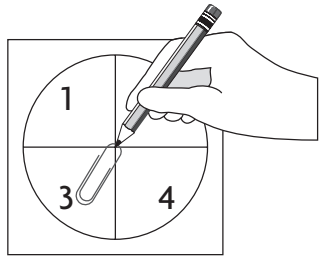


$\begin{array}{r} 0 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$

$\begin{array}{r} 9 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 0 \\ \hline \end{array}$
$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 2 \\ \hline \end{array}$

$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$

$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$

6×3	7×3	8×3
9×3	10×3	11×3
12×3	0×4	1×4

2×4	3×4	4×4
5×4	6×4	7×4
8×4	9×4	10×4

11×4	12×4	0×5
1×5	2×5	3×5
4×5	5×5	6×5

7×5	8×5	9×5
10×5	11×5	12×5
0×6	1×6	2×6

3×6	4×6	5×6
6×6	7×6	8×6
9×6	10×6	11×6

12×6	0×7	1×7
2×7	3×7	4×7
5×7	6×7	7×7

8×7	9×7	10×7
11×7	12×7	0×8
1×8	2×8	3×8

$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$

0×9	1×9	2×9
3×9	4×9	5×9
6×9	7×9	8×9

$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 10 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 10 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 10 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 11 \\ \hline \end{array}$

$\begin{array}{r} 1 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 11 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 11 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 11 \\ \hline \end{array}$

$\begin{array}{r} 10 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 11 \\ \hline \end{array}$
$\begin{array}{r} 0 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 12 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 12 \\ \hline \end{array}$

$\begin{array}{r} 6 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 12 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 12 \\ \hline \end{array}$
$\begin{array}{r} 12 \\ \times 12 \\ \hline \end{array}$		

$12 \div 1$	$15 \div 1$	$18 \div 1$
$11 \div 1$	$14 \div 1$	$17 \div 1$
$10 \div 1$	$13 \div 1$	$16 \div 1$

$1\overline{)9}$	$1\overline{)10}$	$1\overline{)11}$
$1\overline{)12}$	$2\overline{)0}$	$2\overline{)2}$
$2\overline{)4}$	$2\overline{)6}$	$2\overline{)8}$

$2\overline{)10}$	$2\overline{)12}$	$2\overline{)14}$
$2\overline{)16}$	$2\overline{)18}$	$2\overline{)20}$
$2\overline{)22}$	$2\overline{)24}$	$3\overline{)0}$

$3\overline{)3}$	$3\overline{)6}$	$3\overline{)9}$
$3\overline{)12}$	$3\overline{)15}$	$3\overline{)18}$
$3\overline{)21}$	$3\overline{)24}$	$3\overline{)27}$

$3\overline{)30}$	$3\overline{)33}$	$3\overline{)36}$
$4\overline{)0}$	$4\overline{)4}$	$4\overline{)8}$
$4\overline{)12}$	$4\overline{)16}$	$4\overline{)20}$

$4\overline{)24}$	$4\overline{)28}$	$4\overline{)32}$
$4\overline{)36}$	$4\overline{)40}$	$4\overline{)44}$
$4\overline{)48}$	$5\overline{)0}$	$5\overline{)5}$

$5\overline{)10}$	$5\overline{)15}$	$5\overline{)20}$
$5\overline{)25}$	$5\overline{)30}$	$5\overline{)35}$
$5\overline{)40}$	$5\overline{)45}$	$5\overline{)50}$

$5\overline{)55}$	$5\overline{)60}$	$6\overline{)0}$
$6\overline{)6}$	$6\overline{)12}$	$6\overline{)18}$
$6\overline{)24}$	$6\overline{)30}$	$6\overline{)36}$

$6\overline{)54}$	$6\overline{)72}$	$7\overline{)14}$
$6\overline{)48}$	$6\overline{)66}$	$7\overline{)7}$
$6\overline{)42}$	$6\overline{)60}$	$7\overline{)0}$

$7\overline{)35}$	$7\overline{)56}$	$7\overline{)77}$
$7\overline{)28}$	$7\overline{)49}$	$7\overline{)70}$
$7\overline{)21}$	$7\overline{)42}$	$7\overline{)63}$

$7\overline{)84}$	$8\overline{)0}$	$8\overline{)8}$
$8\overline{)16}$	$8\overline{)24}$	$8\overline{)32}$
$8\overline{)40}$	$8\overline{)48}$	$8\overline{)56}$

$8\overline{)64}$	$8\overline{)72}$	$8\overline{)80}$
$8\overline{)88}$	$8\overline{)96}$	$9\overline{)0}$
$9\overline{)9}$	$9\overline{)18}$	$9\overline{)27}$

$9\overline{)36}$	$9\overline{)45}$	$9\overline{)54}$
$9\overline{)63}$	$9\overline{)72}$	$9\overline{)81}$
$9\overline{)90}$	$9\overline{)99}$	$9\overline{)108}$

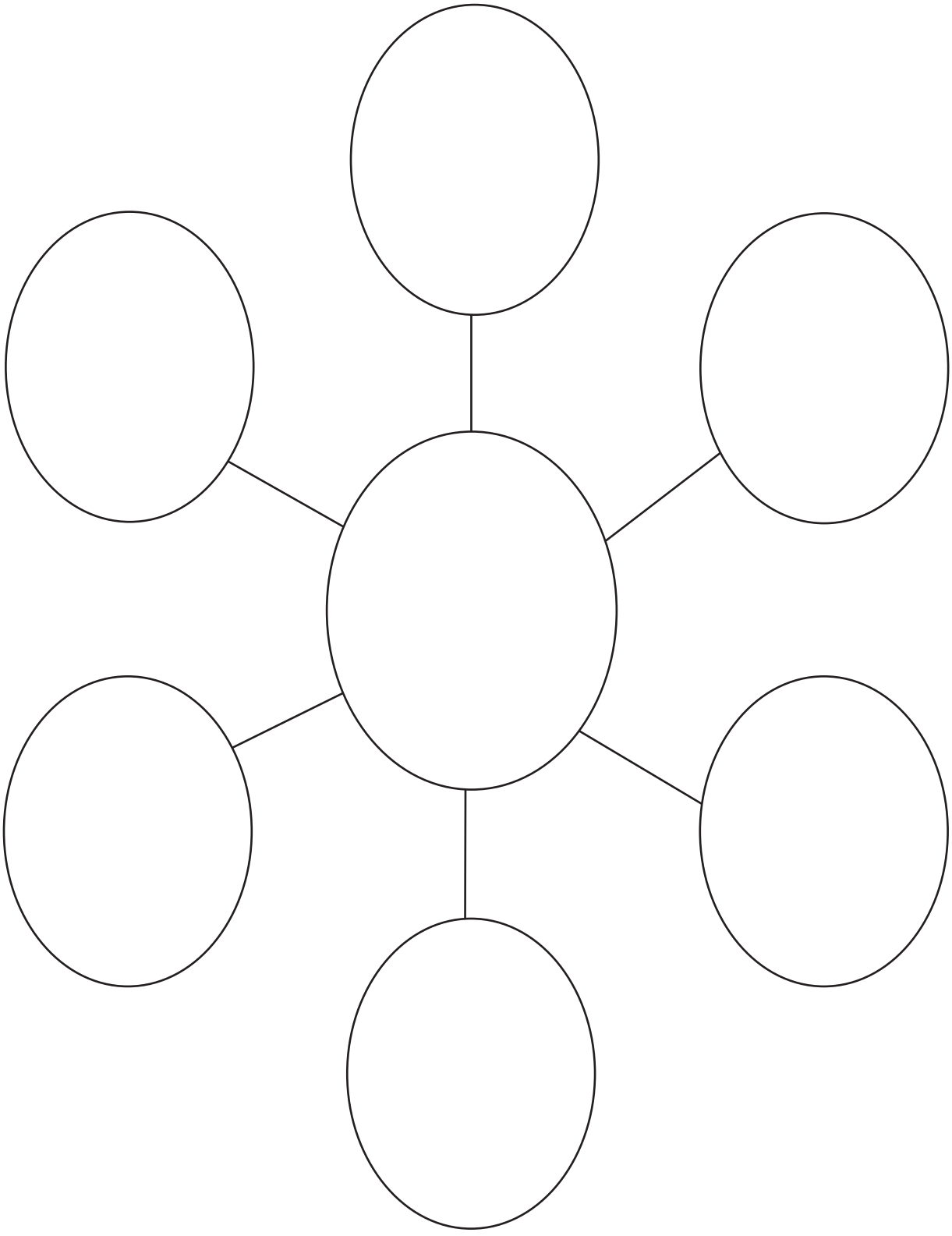
$10\overline{)0}$	$10\overline{)10}$	$10\overline{)20}$
$10\overline{)30}$	$10\overline{)40}$	$10\overline{)50}$
$10\overline{)60}$	$10\overline{)70}$	$10\overline{)80}$

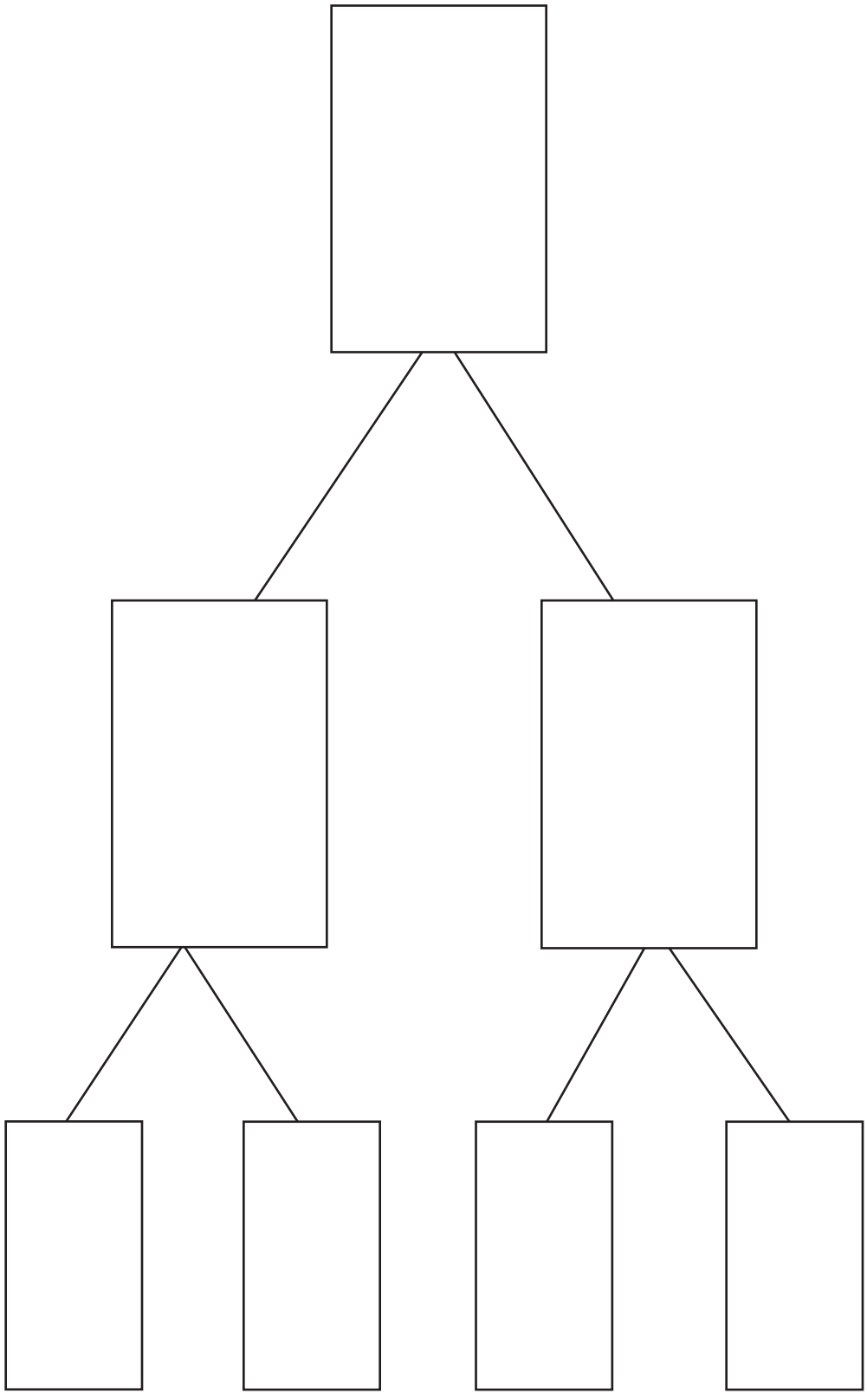
$10\overline{)90}$	$10\overline{)100}$	$10\overline{)110}$
$10\overline{)120}$	$11\overline{)0}$	$11\overline{)11}$
$11\overline{)22}$	$11\overline{)33}$	$11\overline{)44}$

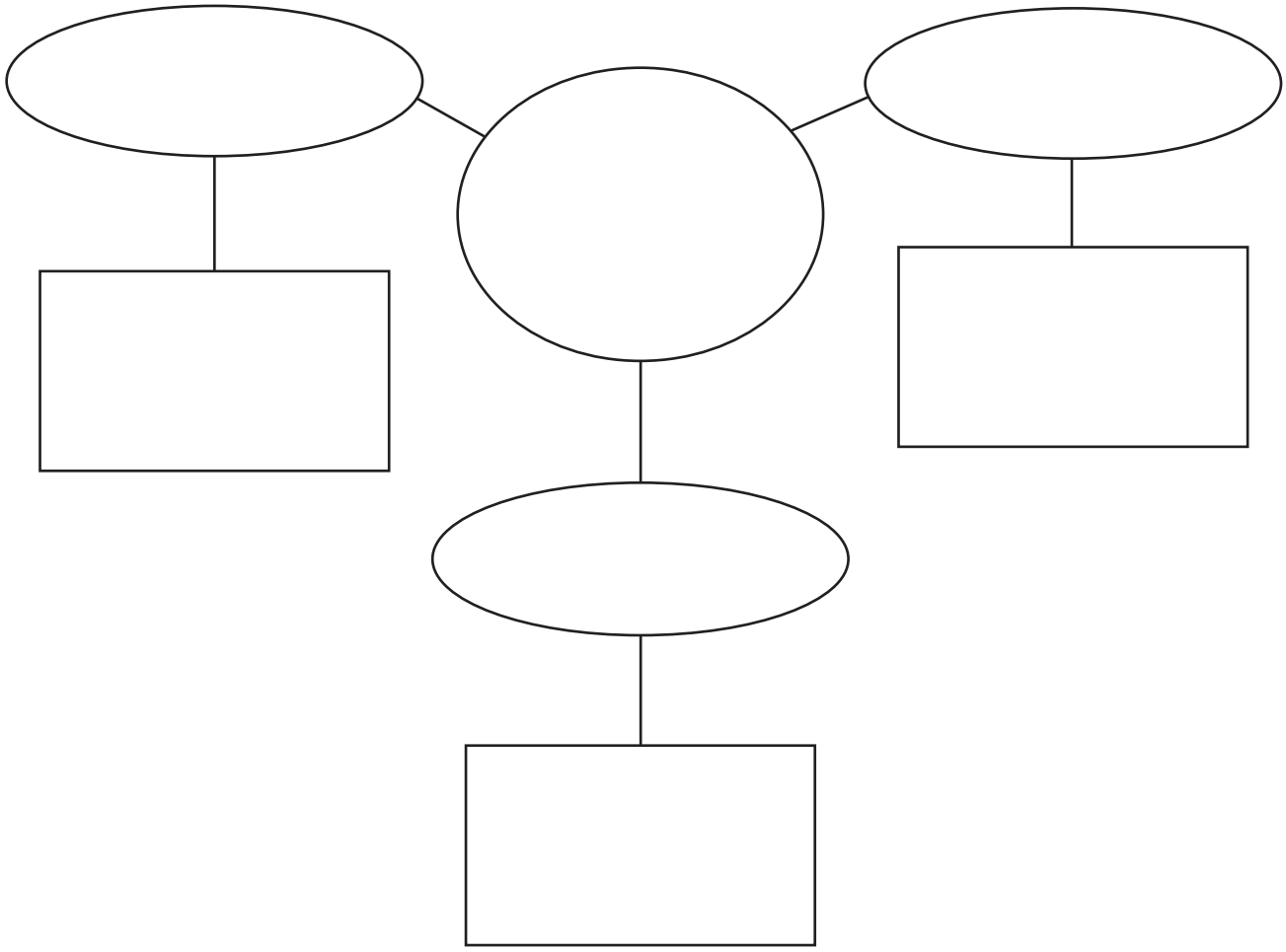
$11\overline{)55}$	$11\overline{)66}$	$11\overline{)77}$
$11\overline{)88}$	$11\overline{)99}$	$11\overline{)110}$
$11\overline{)121}$	$11\overline{)132}$	$12\overline{)0}$

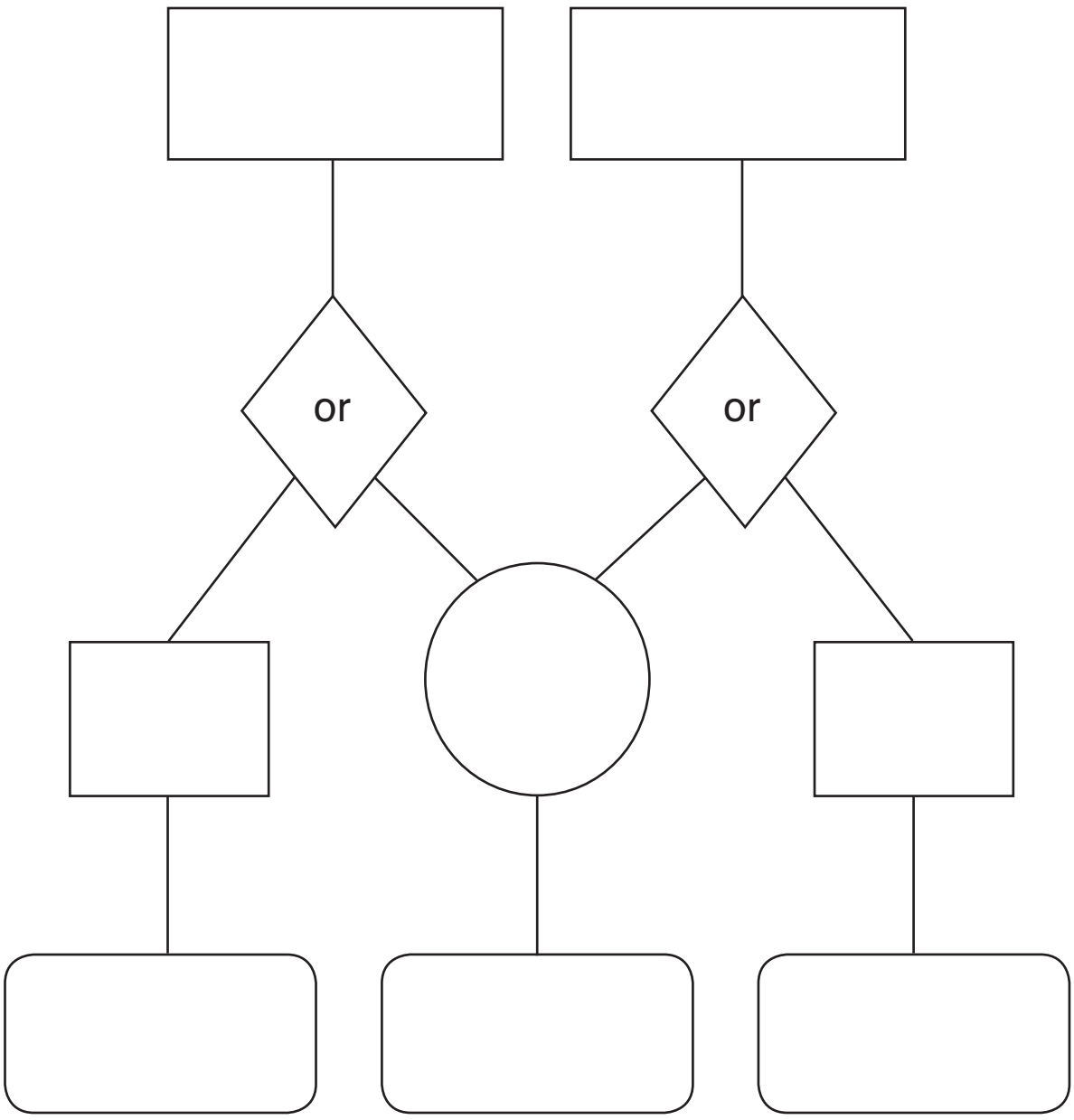
$12\overline{)12}$	$12\overline{)24}$	$12\overline{)36}$
$12\overline{)48}$	$12\overline{)60}$	$12\overline{)72}$
$12\overline{)84}$	$12\overline{)96}$	$12\overline{)108}$

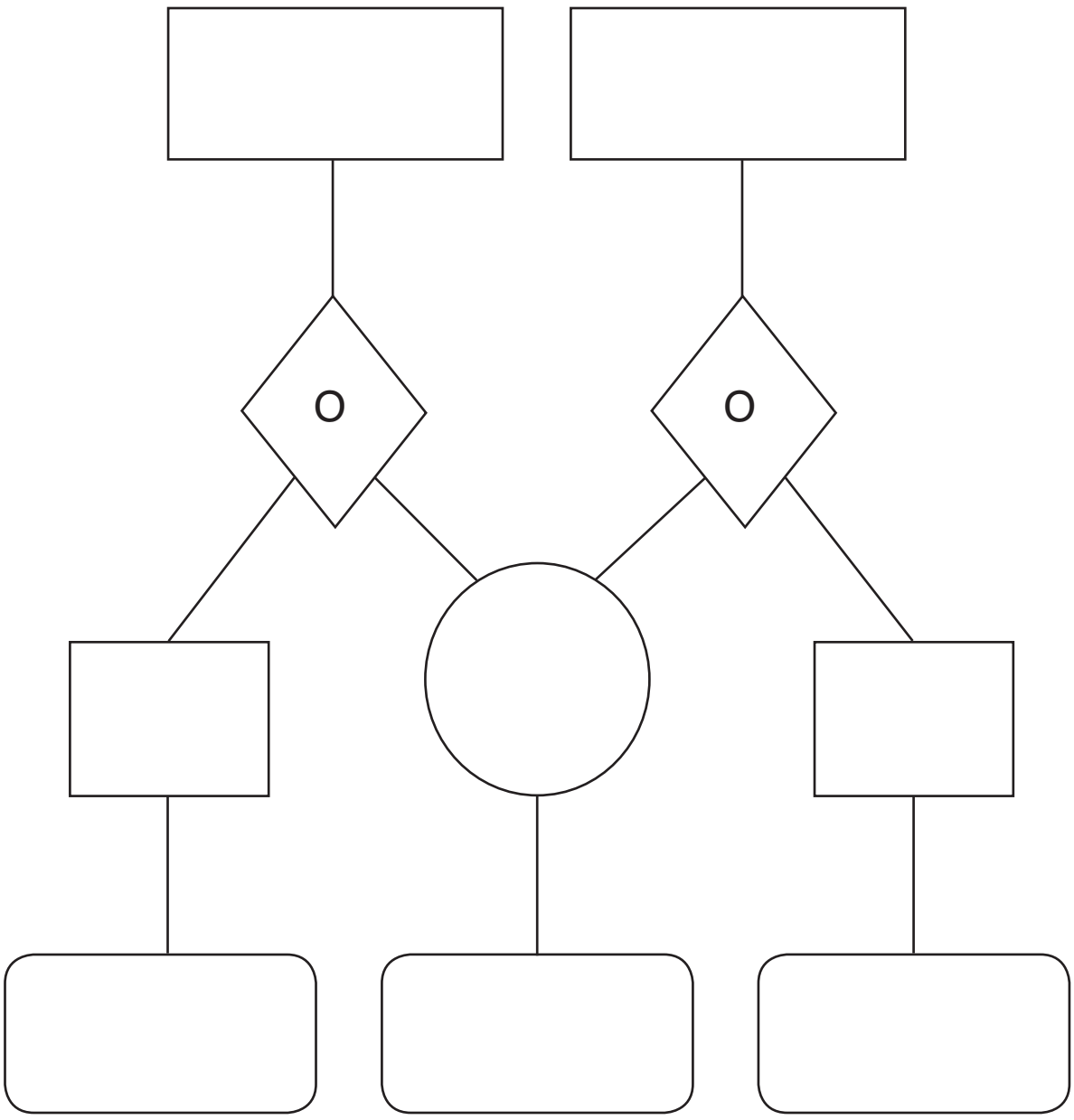
$12\overline{)120}$	$12\overline{)132}$	$12\overline{)144}$

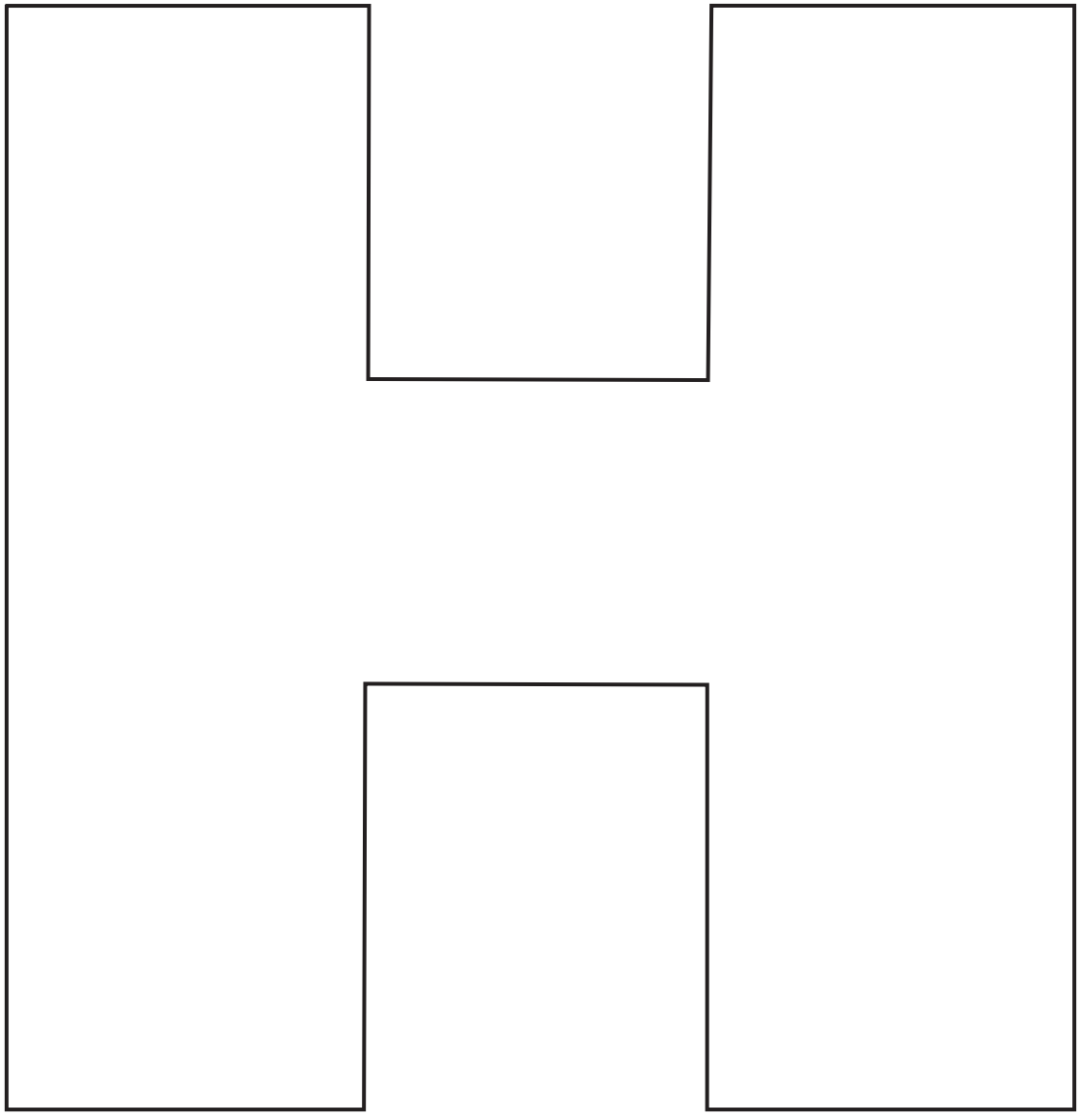






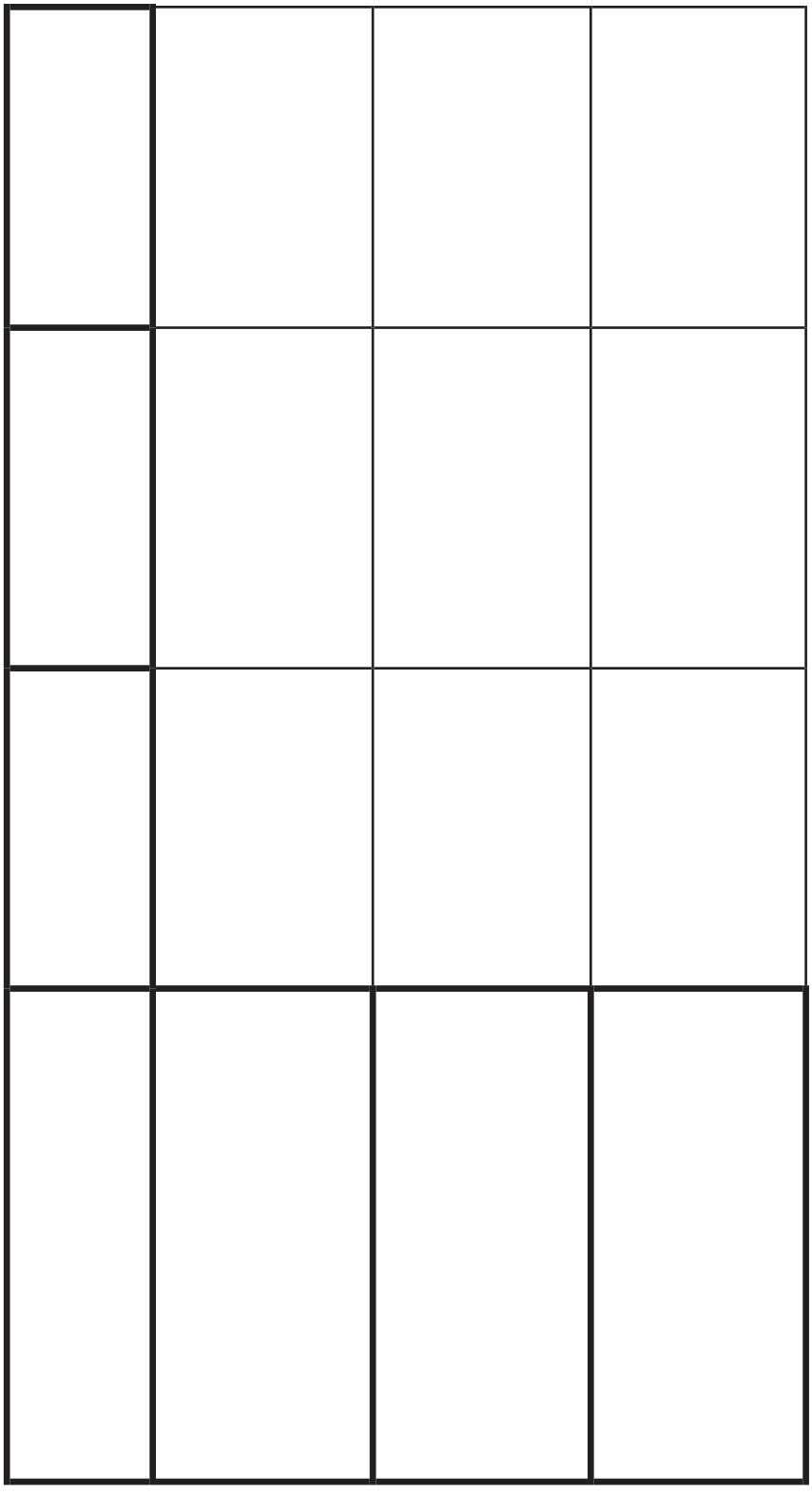


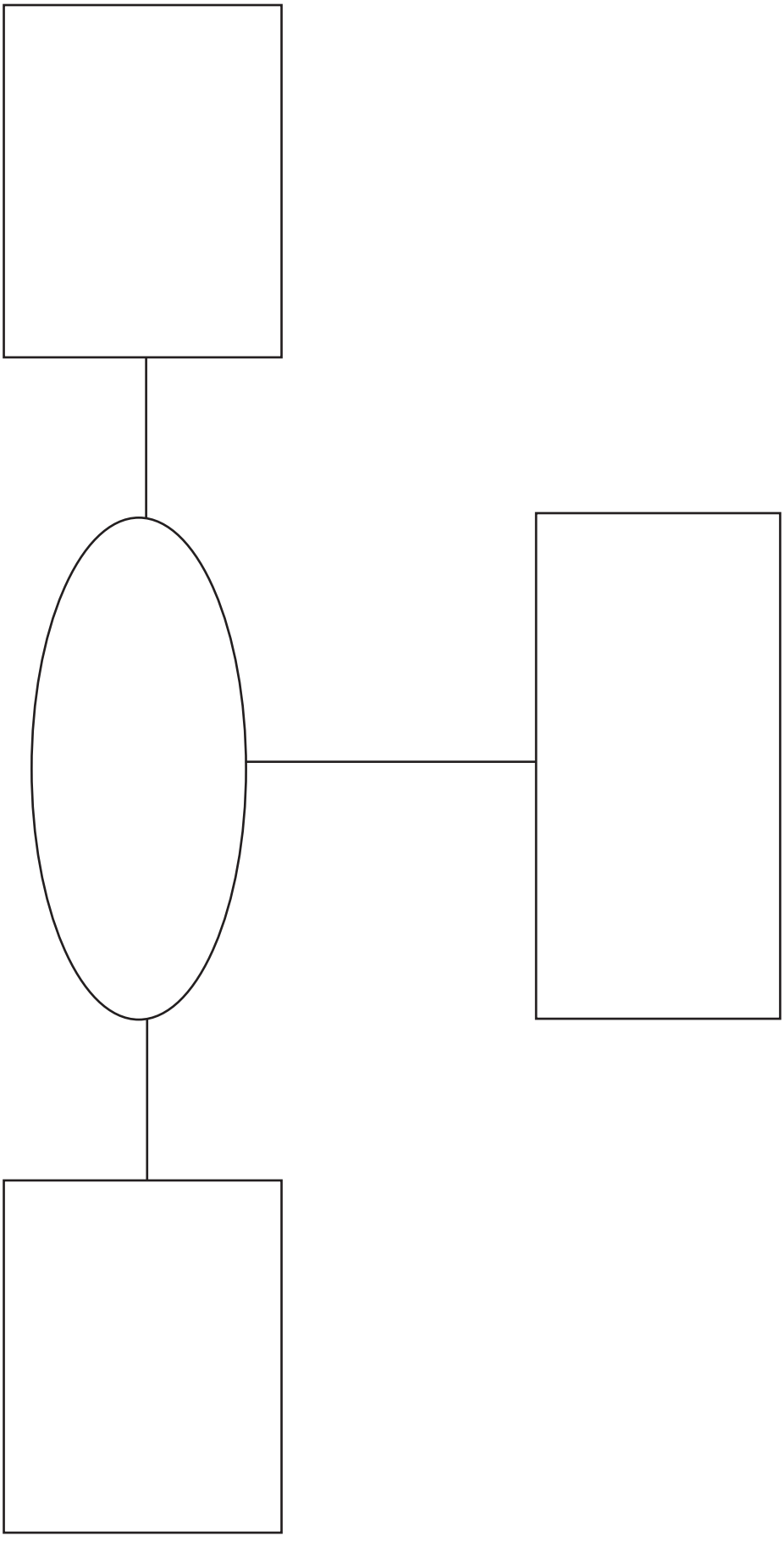


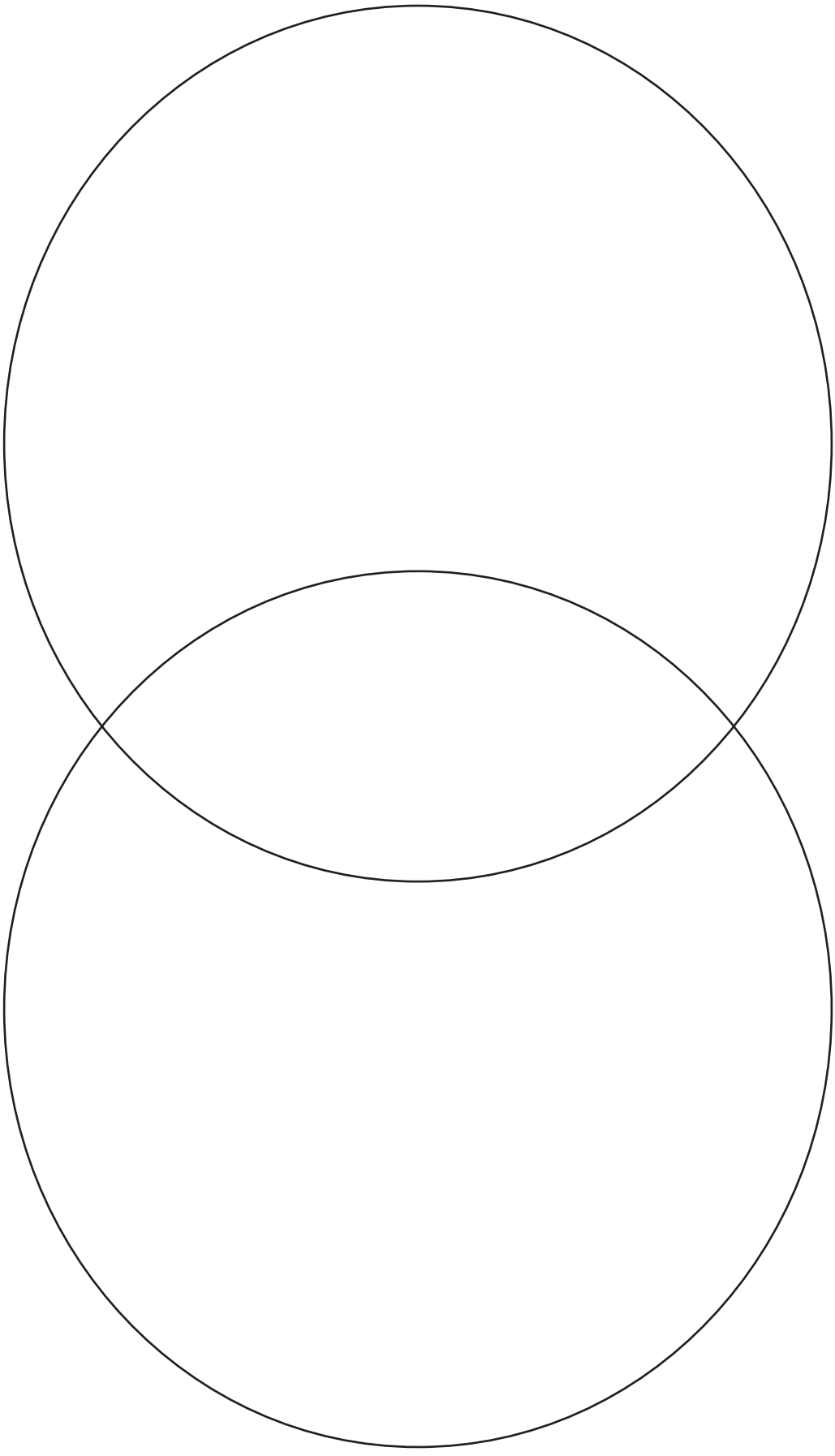


K Key Idea	I Information	M Memory Clue

K Idea clave	I Información	M Pista de memoria







Describe using facts and characteristics.

Write or draw a nonexample.

Write the definition.

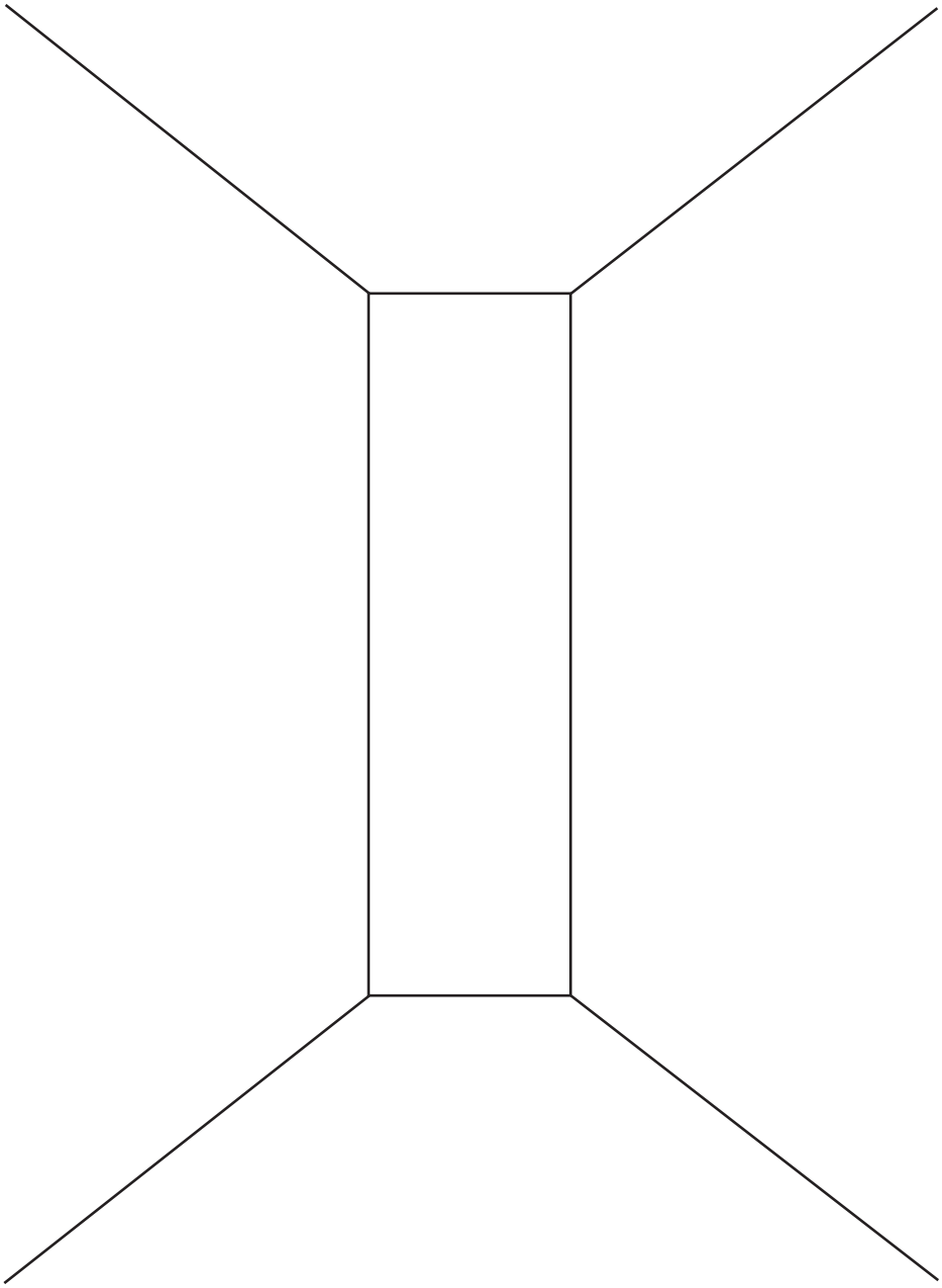
Write or draw an example.

Describe mediante datos y características.

Escribe o dibuja un contraejemplo.

Escribe la definición.

Escribe o dibuja un ejemplo.



VOCABULARY CARDS

The vocabulary cards that appear on the following pages include the new vocabulary words that appear in *Go Math!* They appear in alphabetical order. Each word is listed with its corresponding definition next to it. You can photocopy each page, fold the copy along the center line, and paste the two sides together to form a card with the word on the front and the definition on the back.

Consider having students organize their vocabulary cards in Math Word Files—containers made from zip-top bags or small boxes, such as crayon or computer disk boxes. Encourage students to consult their Math Word Files to confirm meanings and check spellings.

acute angle	**acute angle** ángulo agudo An angle that measures greater than 0° and less than 90°
acute triangle	**acute triangle** triángulo acutángulo A triangle with three acute angles
angle	**angle** ángulo A shape formed by two line segments or rays that share the same endpoint
area	**area** área The number of square units needed to cover a flat surface

base	**base** base A polygon's side or a two-dimensional shape, usually a polygon or circle, by which a three-dimensional shape is measured or named
benchmark	**benchmark** punto de referencia A known size or amount that helps you understand a different size or amount
clockwise	**clockwise** en el sentido de las manecillas del reloj In the same direction in which the hands of a clock move
common denominator	**common denominator** común denominador A common multiple of two or more denominators

common factor

common factor
factor común

A number that is a factor of two or more numbers

common multiple

common multiple
múltiplo común

A number that is a multiple of two or more numbers

compatible numbers

compatible numbers
números compatibles

Numbers that are easy to compute mentally

composite number

composite number
número compuesto

A number having more than two factors

counterclockwise	**counterclockwise** en sentido contrario a las manecillas del reloj In the opposite direction in which the hands of a clock move
cup (c)	**cup (c)** taza (tz) A customary unit used to measure capacity and liquid volume
decimal	**decimal** decimal A number with one or more digits to the right of the decimal point
decimal point	**decimal point** punto decimal A symbol used to separate dollars from cents in money amounts, and to separate the ones and the tenths places in a decimal

decimeter (dm)	**decimeter (dm)** **decímetro (dm)** **A metric unit for measuring length or distance**
degree (°)	**degree (°)** **grado (°)** **The unit used for measuring angles and temperatures**
Distributive Property	**Distributive Property** **propiedad distributiva** **The property that states that multiplying a sum by a number is the same as multiplying each addend by the number and then adding the products**
divisible	**divisible** **divisible** **A number is divisible by another number if the quotient is a counting number and the remainder is zero**

equivalent decimals	**equivalent decimals** decimales equivalentes Two or more decimals that name the same amount
equivalent fractions	**equivalent fractions** fracciones equivalentes Two or more fractions that name the same amount
estimate	**estimate** estimación A number that is close to the exact amount
expanded form	**expanded form** forma desarrollada A way to write numbers by showing the value of each digit

factor	**factor** factor A number that is multiplied by another number to find a product
fluid ounce (fl oz)	**fluid ounce (fl oz)** onza fluida (fl oz) A customary unit used to measure liquid capacity and liquid volume
formula	**formula** fórmula A set of symbols that expresses a mathematical rule
gallon (gal)	**gallon (gal)** galón (gal) A customary unit for measuring capacity and liquid volume

half gallon	**half gallon** media galón A customary unit for measuring capacity and liquid volume
height	**height** altura The measure of a perpendicular from the base to the top of a two-dimensional shape
hundredth	**hundredth** centésimo One of one hundred equal parts
intersecting lines	**intersecting lines** lineas secantes Lines that cross each other at exactly one point

kilometer (km)	**kilometer (km)** kilómetro (km) A metric unit for measuring length or distance
line	**line** línea A straight path of points in a plane that continues without end in both directions with no endpoints
line of symmetry	**line of symmetry** eje de simetría An imaginary line on a shape about which the shape can be folded so that its two parts match exactly
line plot	**line plot** diagrama de puntos A graph the records each piece of data on a number line

line segment	**line segment** segento A part of the line that includes two points called endpoints and all the points between them
line symmetry	**line symmetry** simetría axial What a shape has if it can be folded about a line so that its two parts match exactly
liquid volume	**liquid volume** volumen de un líquido The measure of the space a liquid occupies
mile (mi)	**mile (mi)** milla (mi) A customary unit for measuring length or distance

milliliter (mL)	**milliliter (mL)** mililitro (mL) A metric unit for measuring capacity and liquid volume
millimeter (mm)	**millimeter (mm)** milímetro (mm) A metric unit for measuring length or distance
mixed number	**mixed number** número mixto An amount given as a whole number and a fraction
multiple	**multiple** múltiplo The product of a number and a counting number is called a multiple of the number

obtuse angle	**obtuse angle** ángulo obtuso An angle that measures greater than 90° and less than 180°
obtuse triangle	**obtuse triangle** triángulo obtusángulo A triangle with one obtuse angle
order of operations	**order of operations** orden de las A special set of rules which gives the order in which calculations are done
ounce (oz)	**ounce (oz)** onza (oz) A customary unit for measuring weight

parallel lines	**parallel lines** líneas paralelas Lines in the same plane that never intersect and are always the same distance apart
parallelogram	**parallelogram** paralelogramo A quadrilateral whose opposite sides are parallel and of equal length
partial product	**partial product** producto parcial A method of multiplying in which the ones, tens, hundreds, and so on are multiplied separately and then the products are added together
partial quotient	**partial quotient** cociente parcial A method of dividing in which multiples of the divisor are subtracted from the dividend and then the quotients are added together

pattern	**pattern** patrón An ordered set of numbers or objects; the order helps you predict what will come next
perimeter	**perimeter** perímetro The distance around a shape
period	**period** período Each group of three digits in a multi-digit number; periods are usually separated by commas or spaces
perpendicular lines	**perpendicular lines** líneas perpendiculares Two lines that intersect to form four right angles

pint (pt)	**pint (pt)** pinta (pt) A customary unit for measuring capacity and liquid volume
point	**point** punto An exact location in space
pound (lb)	**pound (lb)** libra (lb) A customary unit for measuring weight
prime number	**prime number** número primo A number that has exactly two factors: 1 and itself

protractor	**protractor** transportador A tool for measuring the size of an angle
quart (qt)	**quart (qt)** cuarto (ct) A customary unit for measuring capacity and liquid volume
ray	**ray** semirrecta A part of a line; it has one endpoint and continues without end in one direction
rectangle	**rectangle** rectángulo A quadrilateral with two pairs of parallel sides, two pairs of sides of equal length, and four right angles

related facts	**related facts** operaciones relacionadas A set of related addition and subtraction, or multiplication and division number sentence
remainder	**remainder** residuo The amount left over when a number cannot be divided equally
rhombus	**rhombus** rombo A quadrilateral with two pairs of parallel sides and four sides of equal length
right angle	**right angle** ángulo recto An angle that forms a square corner

right triangle	**right triangle** triángulo rectángulo A triangle with one right angle
round	**round** redondear To replace a number with another number that tells about how many or how much
second (sec)	**second (sec)** segundo (seg) A small unit of time
simplest form	**simplest form** mínima expresión A fraction is in simplest form when the numerator and denominator have only 1 as a common factor

square	**square** cuadrado A quadrilateral with two pairs of parallel sides, four sides of equal length, and four right angles
square unit	**square unit** unidad cuadrada A unit of area with dimensions of 1 unit × 1 unit
standard form	**standard form** forma normal A way to write numbers by using the digits 0–9, with each digit having a place value
straight angle	**straight angle** ángulo llano An angle whose measure is 180°

tenth	**tenth** **décimo** **One of ten equal parts**
term	**term** **termino** **A number or object in a pattern**
thousands	**thousands** **miles** **The period after the ones period in the base-ten number system**
ton (T)	**ton (T)** **tonelada (t)** **A customary unit used to measure weight**

trapezoid

trapezoid
trapecio

A quadrilateral with exactly one pair of parallel sides

unit fraction

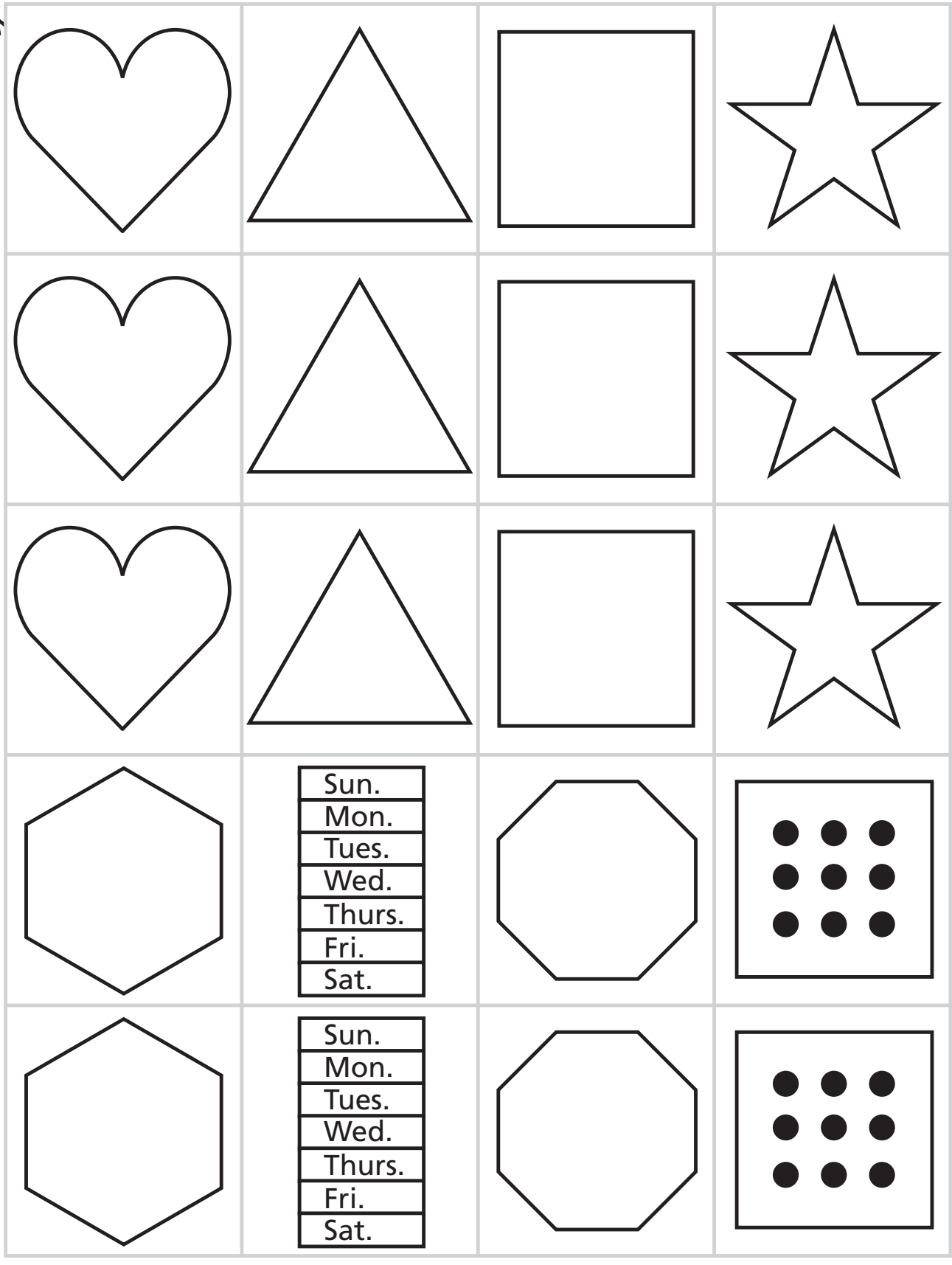
unit fraction
fracción unitaria

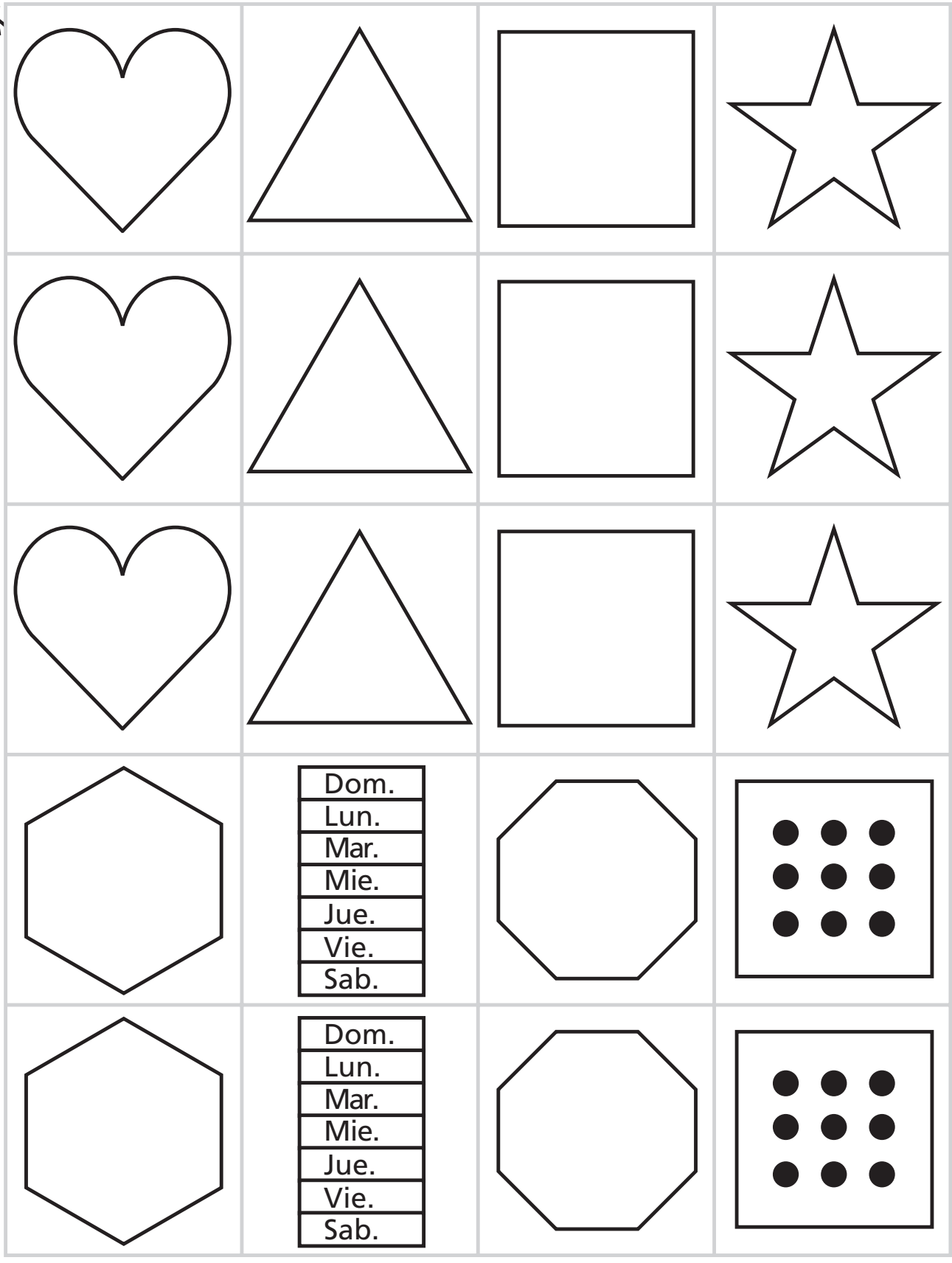
A fraction that has a numerator of one

word form

word form
en palabras

A way to write numbers by using words





Fraction Cards

$\frac{4}{5}$	$\frac{8}{10}$	$\frac{2}{2}$	$\frac{4}{4}$
$\frac{2}{4}$	$\frac{1}{2}$	$\frac{2}{10}$	$\frac{1}{5}$
$\frac{5}{5}$	$\frac{3}{3}$	$\frac{2}{8}$	$\frac{6}{8}$
$\frac{3}{4}$	$\frac{2}{6}$	$\frac{1}{3}$	$\frac{4}{6}$
$\frac{2}{3}$	$\frac{1}{4}$	$\frac{4}{5}$	$\frac{4}{8}$

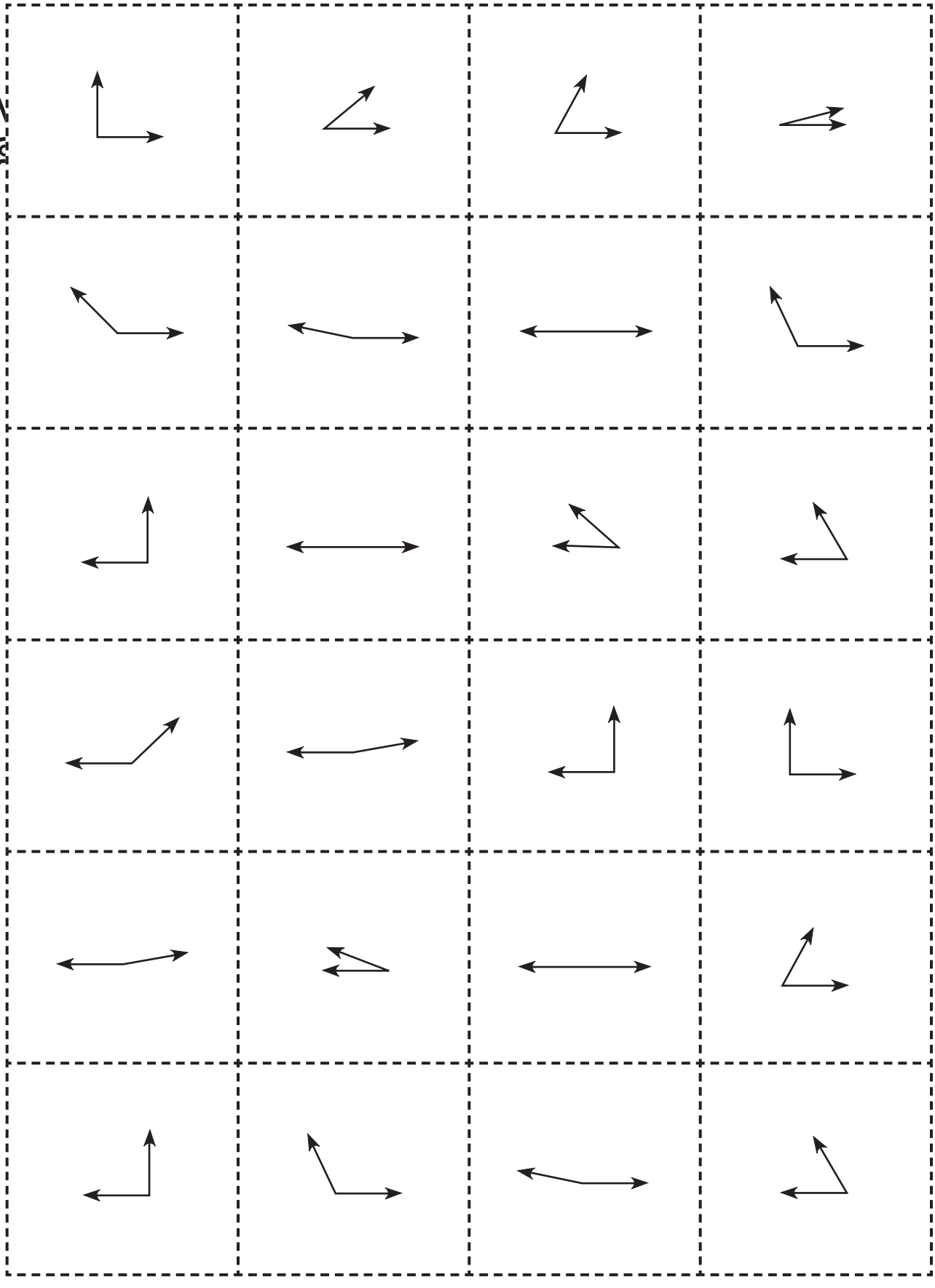
Tarjetas de fracciones

$\frac{4}{5}$	$\frac{8}{10}$	$\frac{2}{2}$	$\frac{4}{4}$
$\frac{2}{4}$	$\frac{1}{2}$	$\frac{2}{10}$	$\frac{1}{5}$
$\frac{5}{5}$	$\frac{3}{3}$	$\frac{2}{8}$	$\frac{6}{8}$
$\frac{3}{4}$	$\frac{2}{6}$	$\frac{1}{3}$	$\frac{4}{6}$
$\frac{2}{3}$	$\frac{1}{4}$	$\frac{4}{5}$	$\frac{4}{8}$

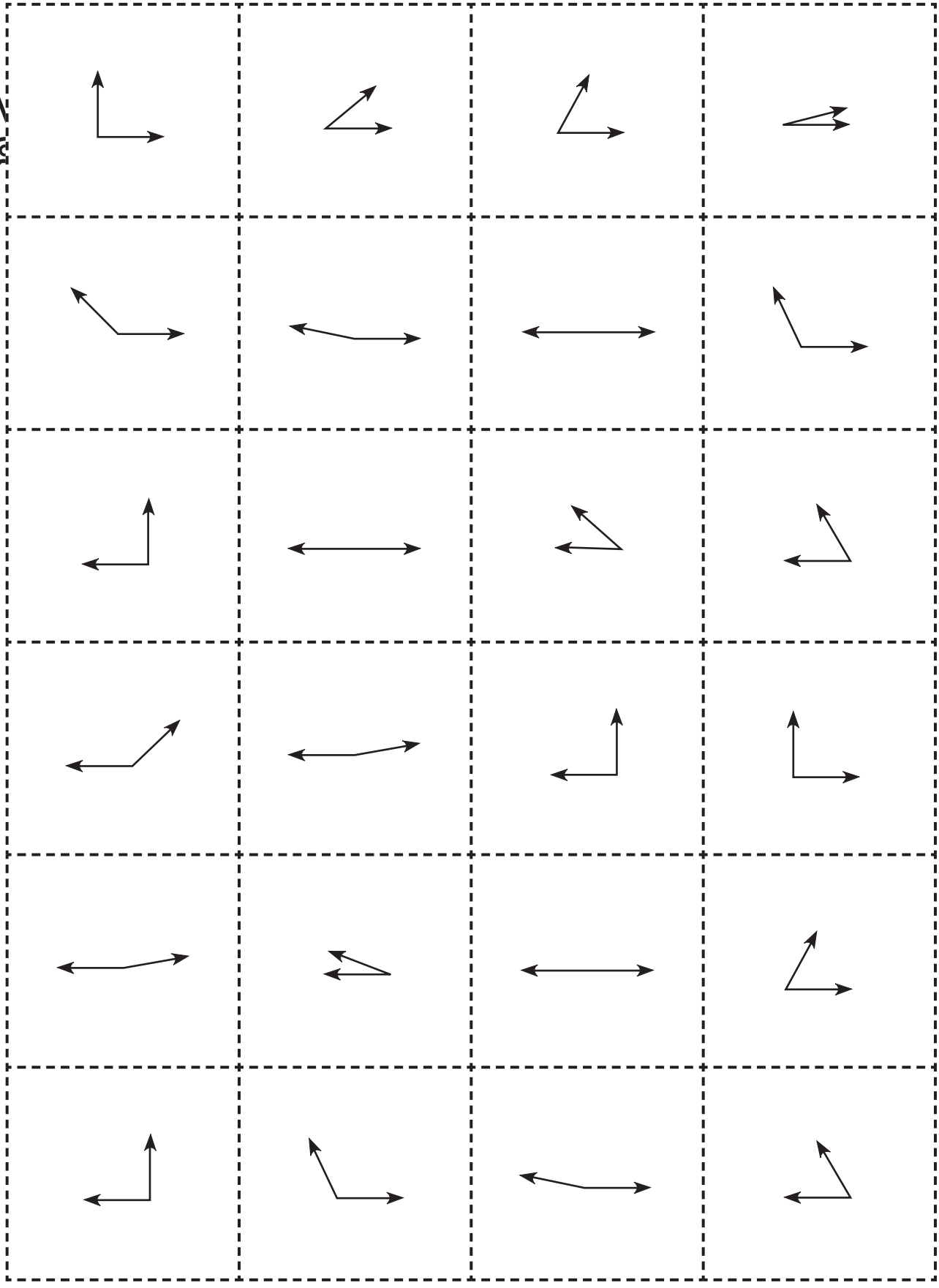
Rectangle Cards

Tarjetas de rectángulos

Angle Cards



Tarjetas de ángulos



Monthly Worksheet

Fixed expenses: $ ☐ ☐ ☐

Variable expenses: $ ☐ x 4

Total expenses: _____

Price per item sold: $ ☐ ☐

Number of items sold: ☐ x 90

Total amount received: _____

Profit: _____

Monthly Worksheet

Fixed expenses: $ ☐ ☐ ☐

Variable expenses: $ ☐ x 4

Total expenses: _____

Price per item sold: $ ☐ ☐

Number of items sold: ☐ x 90

Total amount received: _____

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Variable expenses: $ ☐ x 4

Total expenses: _____

Price per item sold: $ ☐ ☐

Number of items sold: ☐ x 90

Total amount received: _____

Profit: _____

Hoja de cálculo mensual

Gastos fijos : $ ☐ ☐ ☐

Gastos variables : $ ☐ x 4

Total de gastos : ________

Precio por artículo vendido : $ ☐ ☐

Número de artículos vendidos: ☐ x 90

Cantidad total recibida : ________

Ganancia: ________

Hoja de cálculo mensual

Gastos fijos : $ ☐ ☐ ☐

Gastos variables : $ ☐ x 4

Total de gastos : ________

Precio por artículo vendido : $ ☐ ☐

Número de artículos vendidos: ☐ x 90

Cantidad total recibida : ________

Ganancia: ________

Hoja de cálculo mensual

Gastos fijos : $ ☐ ☐ ☐

Gastos variables : $ ☐ x 4

Total de gastos : ________

Precio por artículo vendido : $ ☐ ☐

Número de artículos vendidos: ☐ x 90

Cantidad total recibida : ________

Ganancia: ________

Hoja de cálculo mensual

Gastos fijos : $ ☐ ☐ ☐

Gastos variables : $ ☐ x 4

Total de gastos : ________

Precio por artículo vendido : $ ☐ ☐

Número de artículos vendidos: ☐ x 90

Cantidad total recibida : ________

Ganancia: ________

Clue Cards

Cut along the dashed lines.

How many periods does the number 345,416 have? Answer: 2	Define *period* as it relates to a number. Answer: a group of three digits separated by a comma	What is the standard form of a number? Answer: the number written with digits	What form of a number is 5,000 + 300 + 6? Answer: expanded form
What is the word form of a number? Answer: the name of a number written in words	What form of a number is shown here? two thousand Answer: word form	Define *expanded form* in your own words. Possible answer: a way to write a number that shows the sum of the value of each digit	What does an estimate tell about a number? Answer: about how many or about how much
Why might you round a number? Answer: to find an estimate	What are some ways to round a number? Answer: use a number line or place value	Explain why 5,000 is a good estimate of 5,123. Answer: It is close to the actual number	How many thousands are in 37,419? Answer: 37
How many hundreds in 3,200? Answer: 32	How many hundreds is 1,000? Answer: 10	What is the inverse operation of addition? Answer: subtraction	What is the inverse operation of subtraction? Answer: addition