

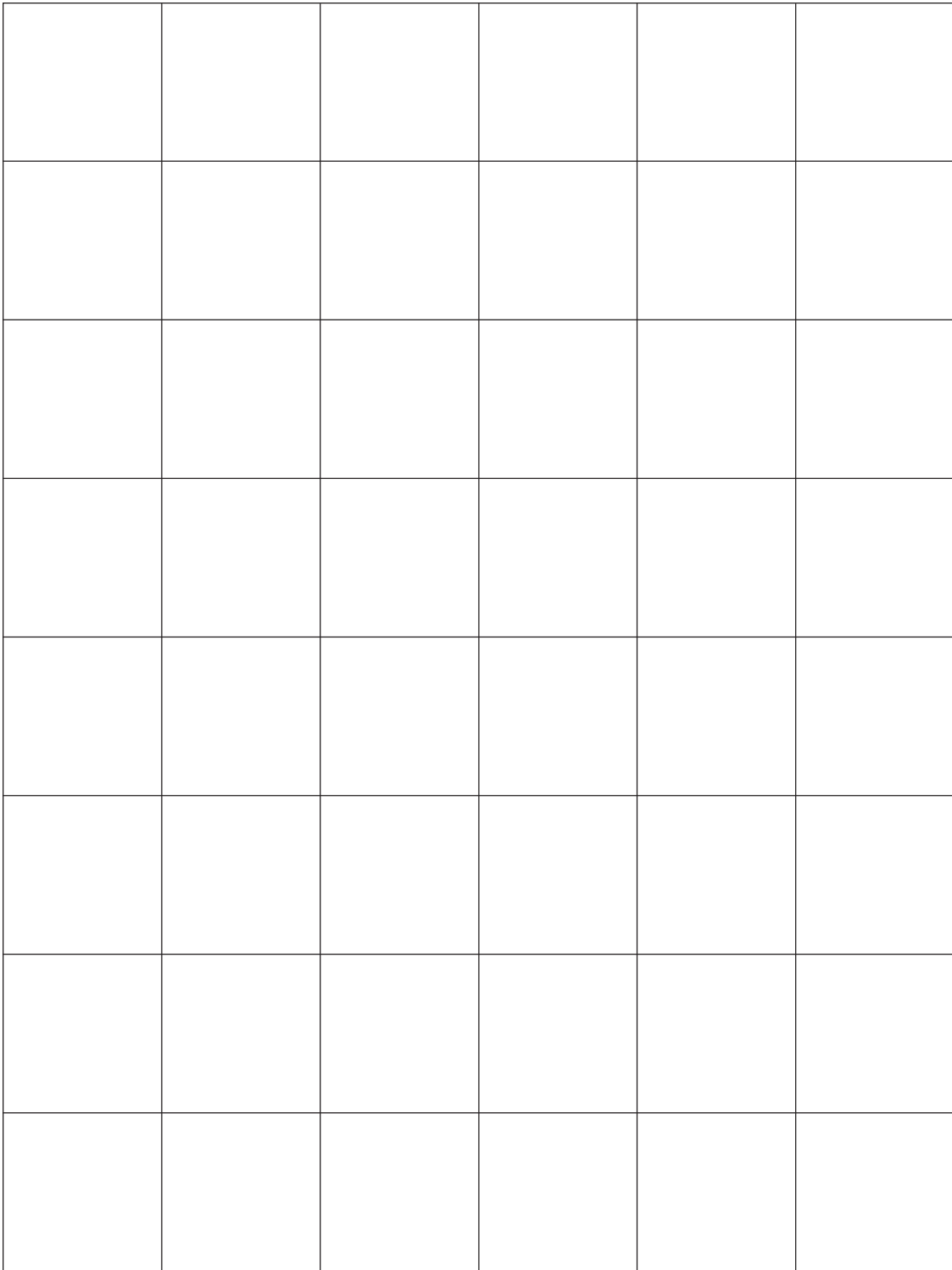
Appendix C

Manipulative Templates

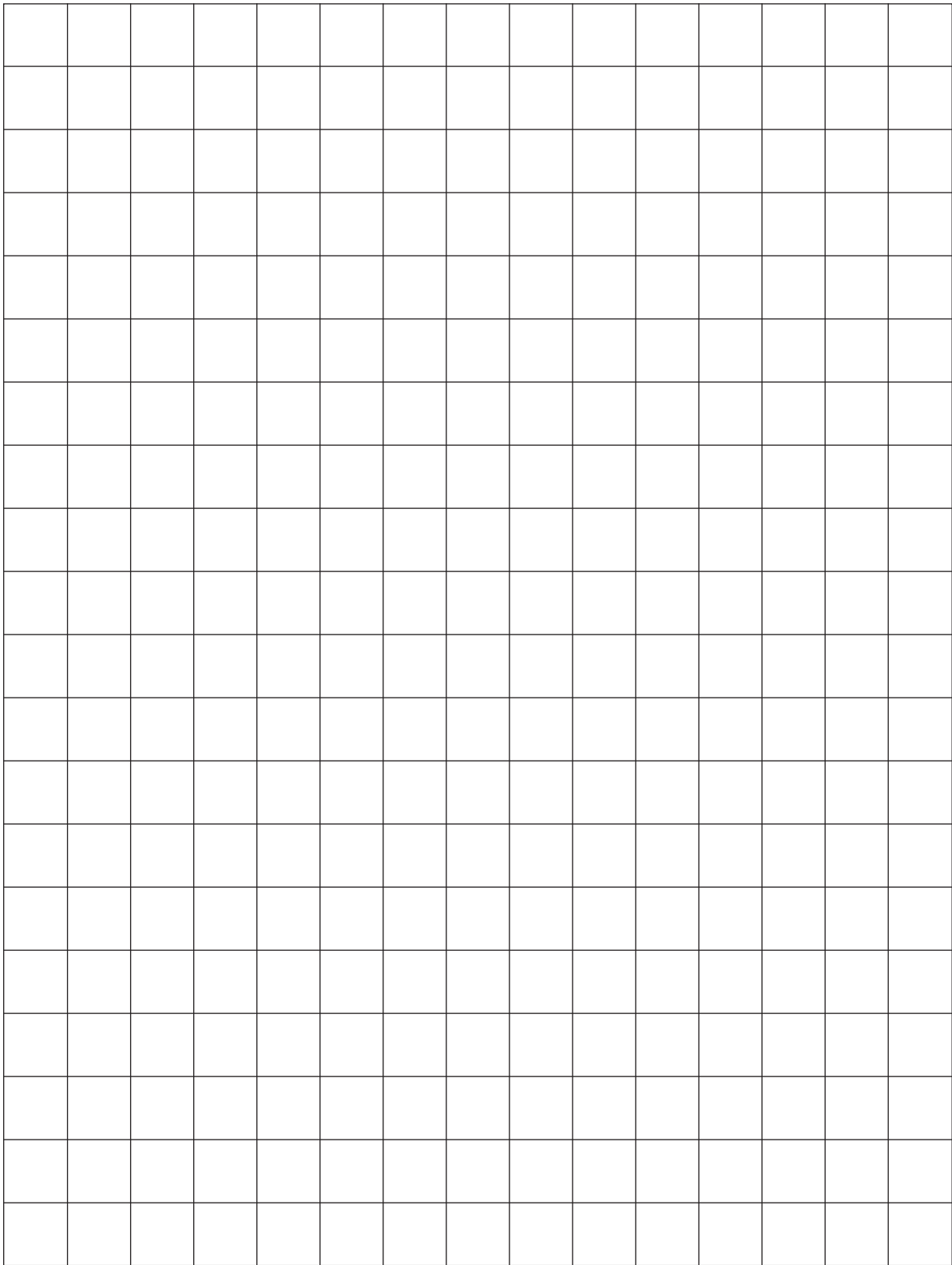
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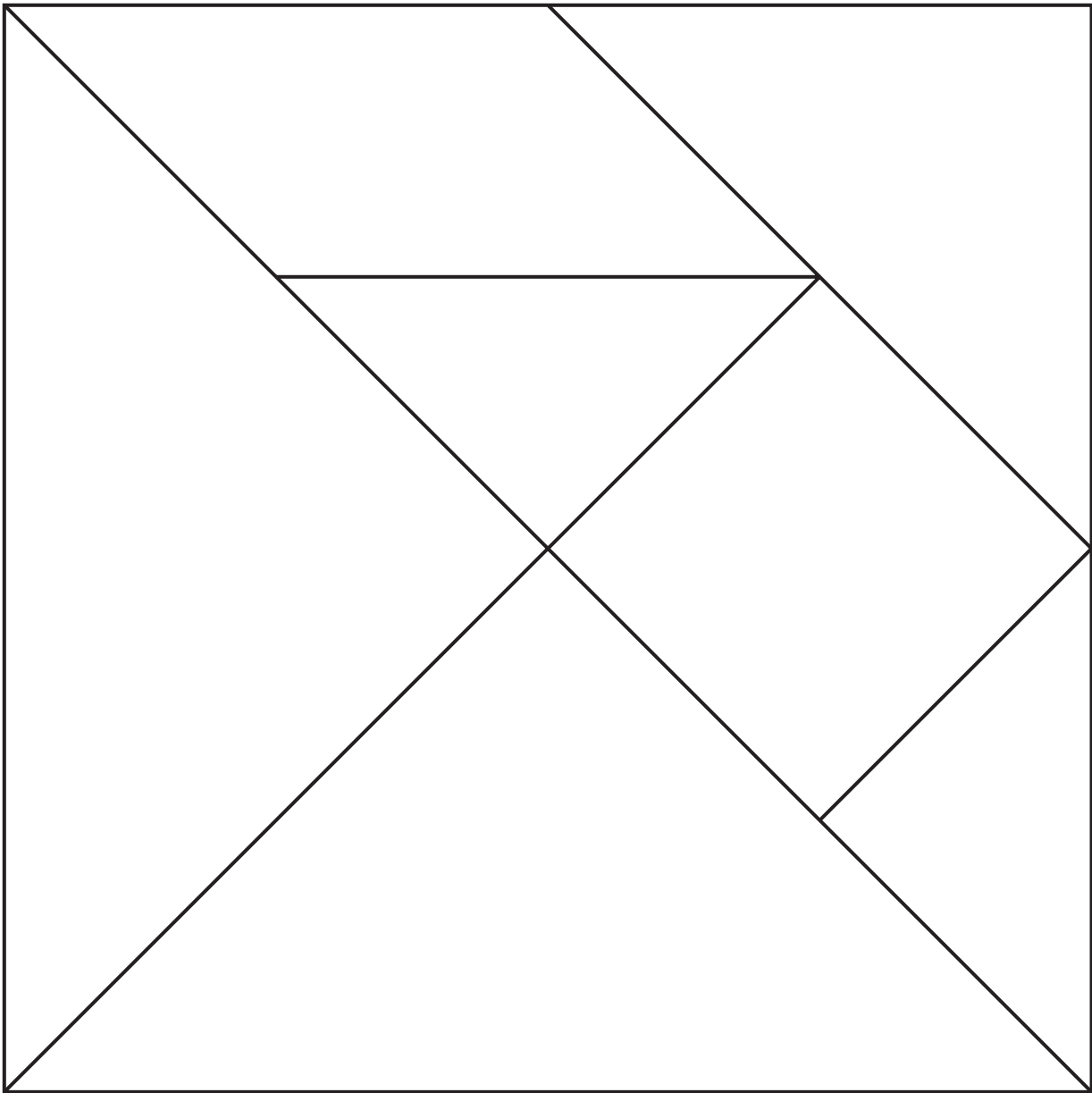
Square-Inch Grid



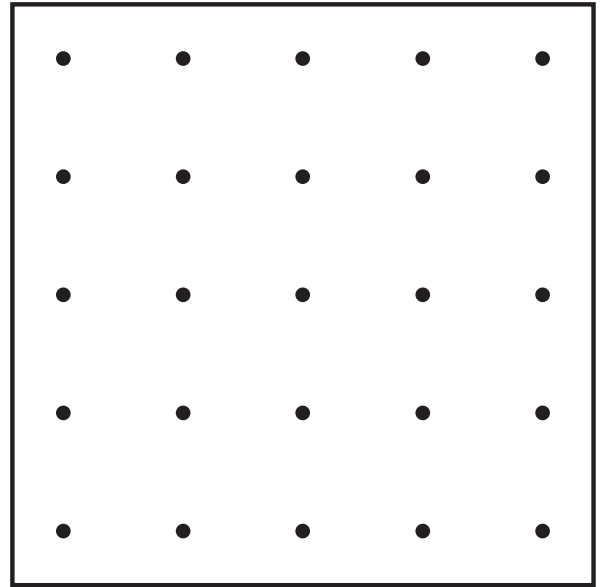
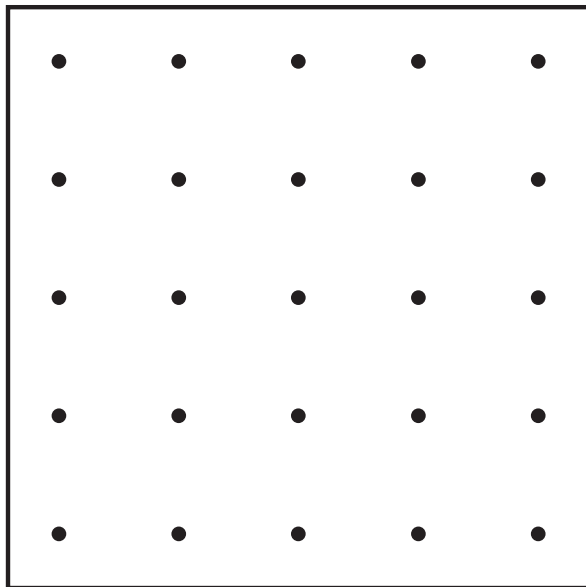
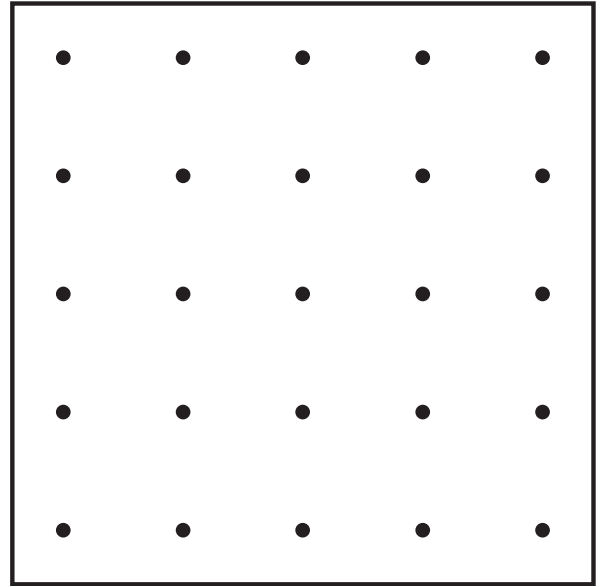
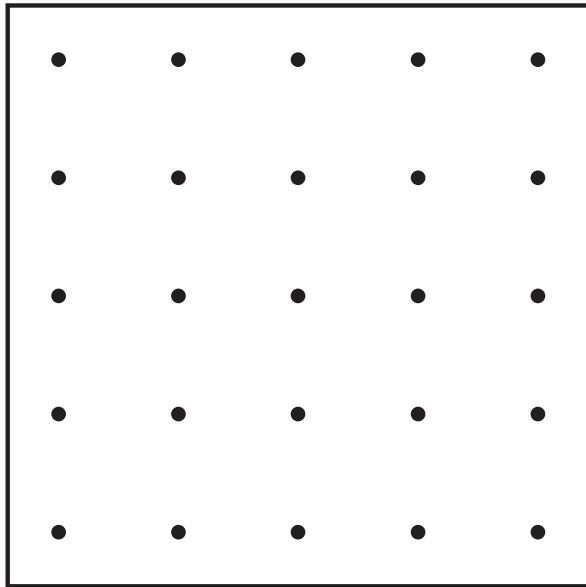
Centimeter Grid



Tangram



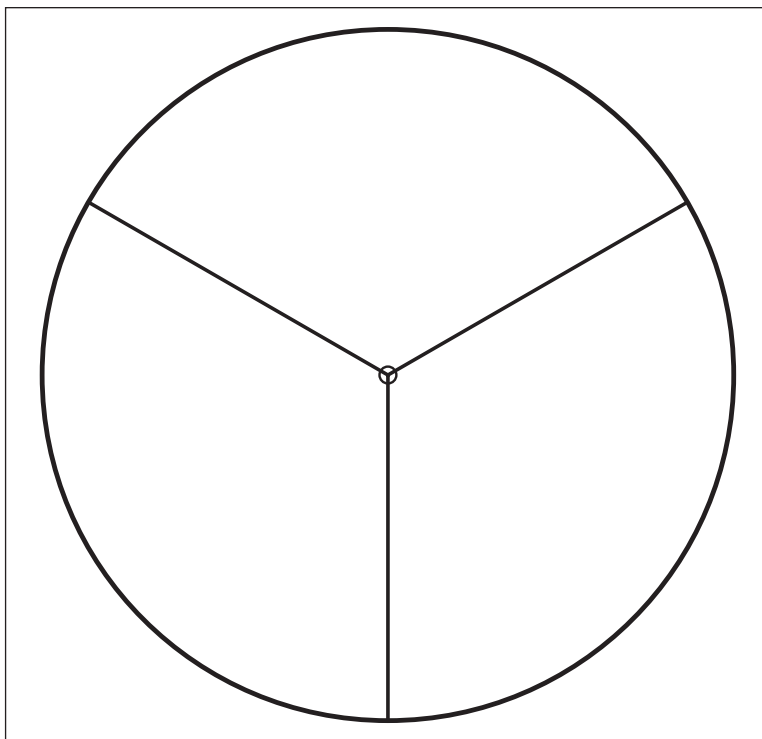
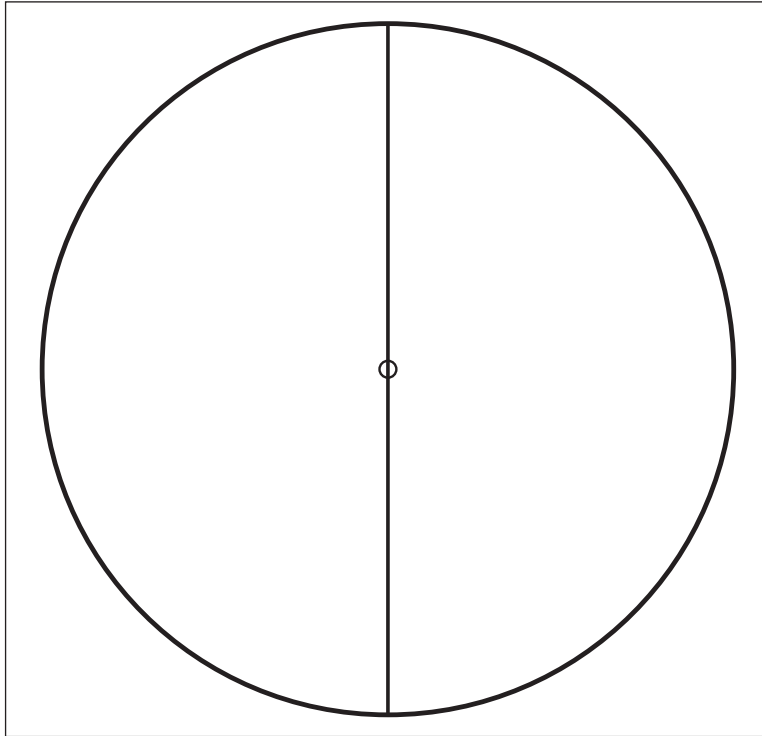
Geoboard Recording Sheets



Fraction Strips

Spinners

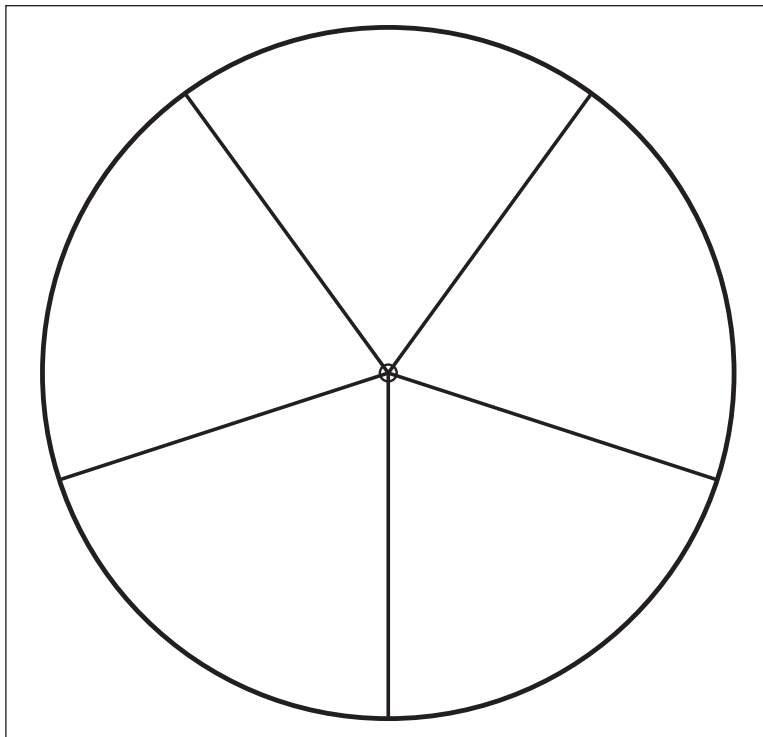
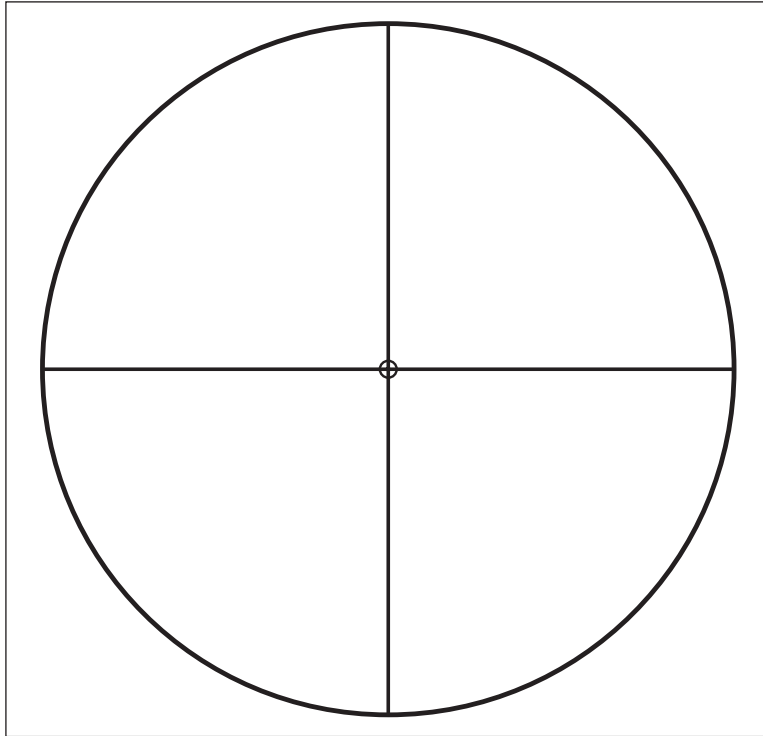
Complete spinner templates by placing a number, letter, or color in each section, or personalize a spinner to fit a problem (e.g., place after-school activities, such as *watch television*, *read a book*, or *play a game*, on the three sections of a spinner and conduct an experiment to see which is spun most often).



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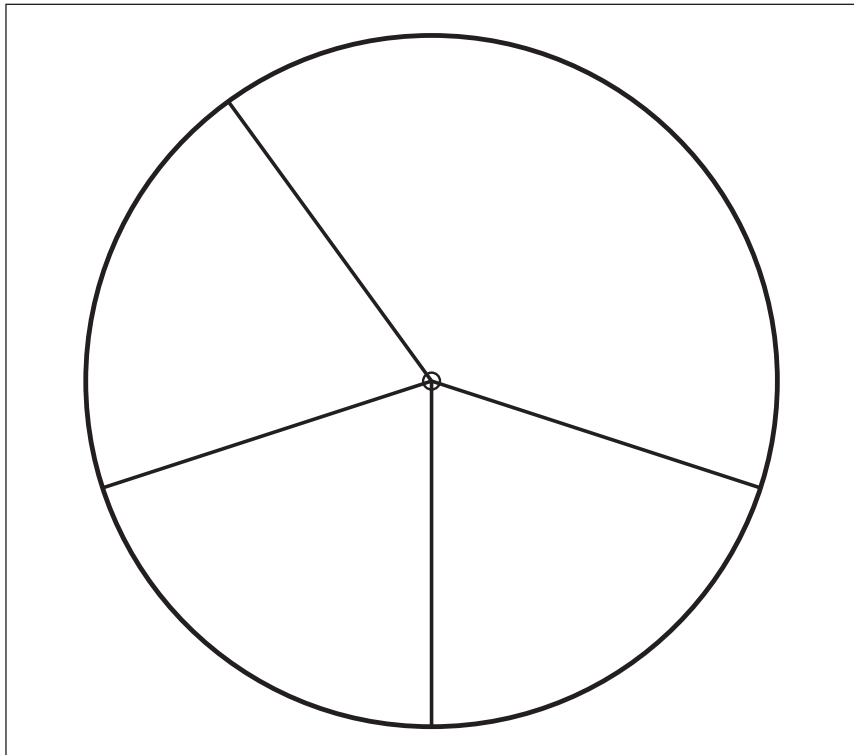
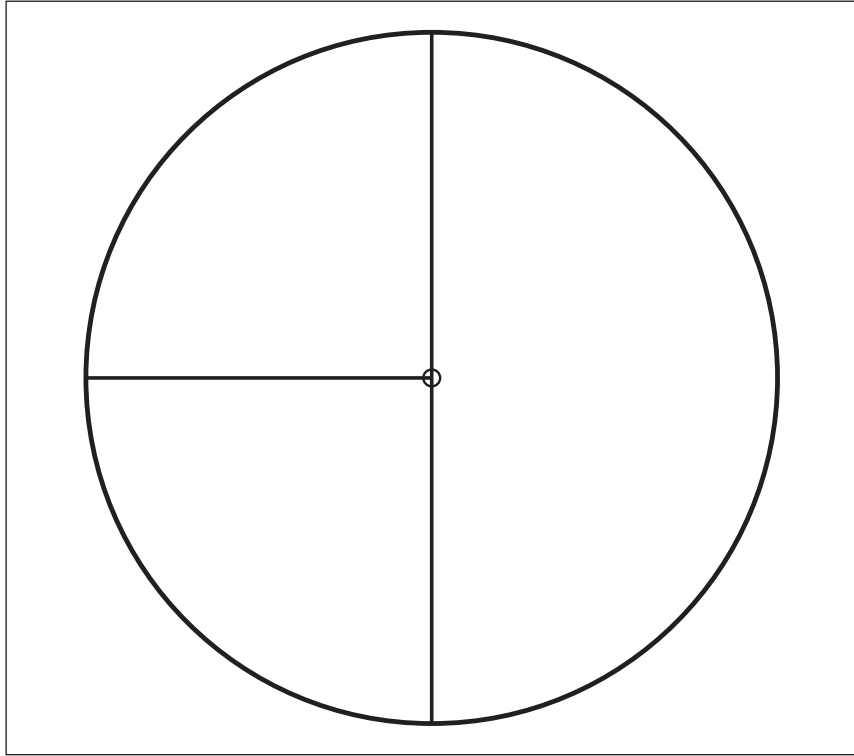
Spinners



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Unfair Spinners



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100 Chart

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
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

100 Charts

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
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

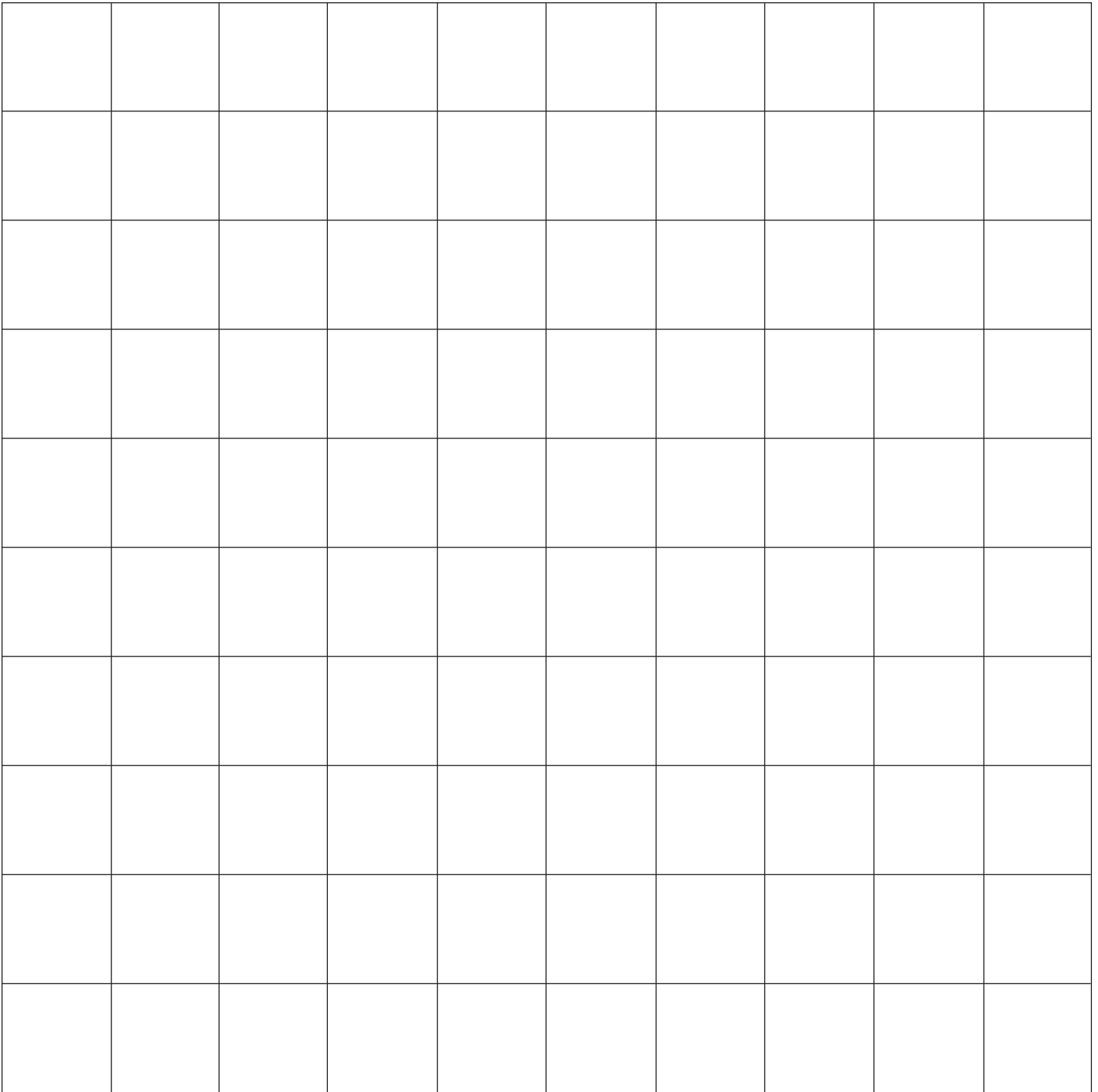
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Blank 100 Chart

Blank hundred charts can be used to create base-ten blocks. Single squares can be cut to represent ones (units), strips can be cut for tens (rods), and the entire chart becomes the hundred (flat).



Number Lines

0-10 Number Line



0-10 Number Line



0-10 Number Line



0-10 Number Line



0-10 Number Line

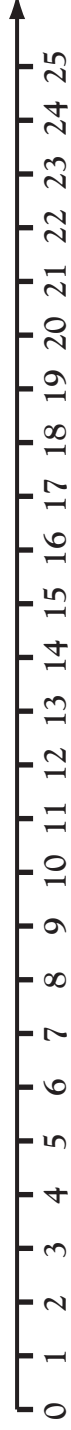


0-10 Number Line

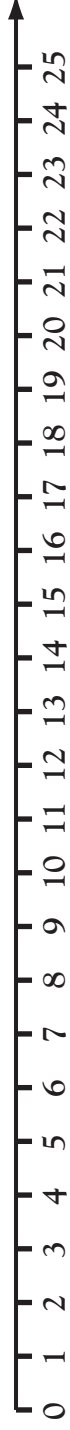


Number Lines

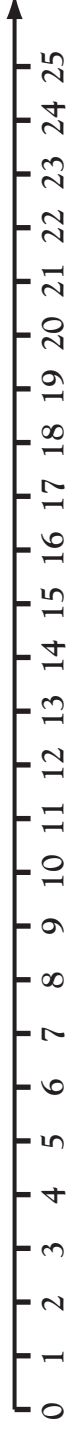
0-25 Number Line



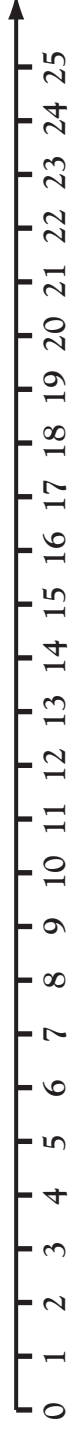
0-25 Number Line



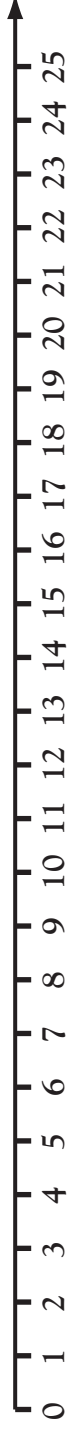
0-25 Number Line



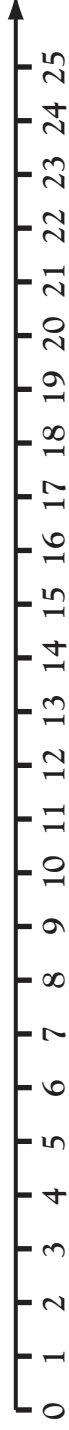
0-25 Number Line



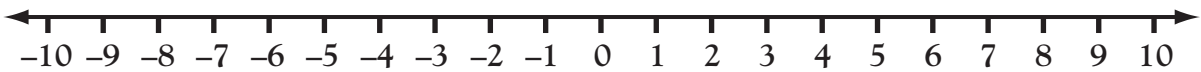
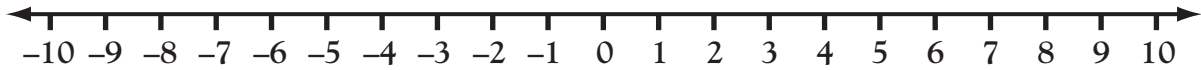
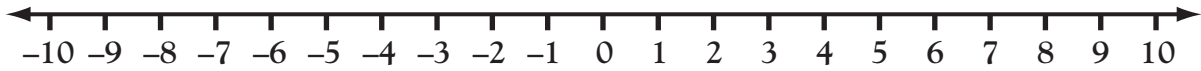
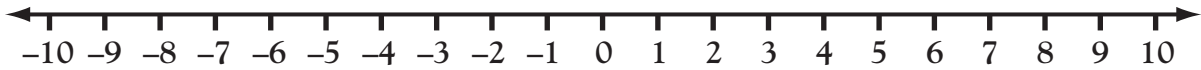
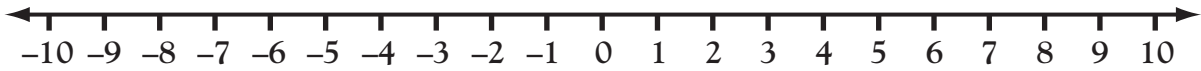
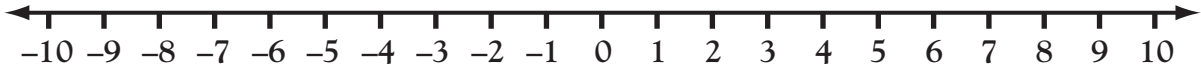
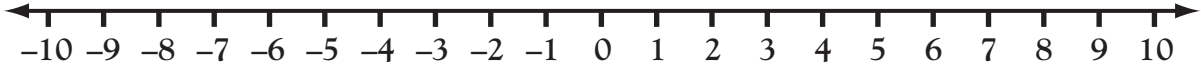
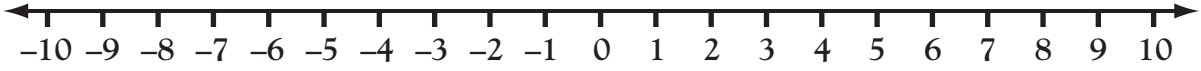
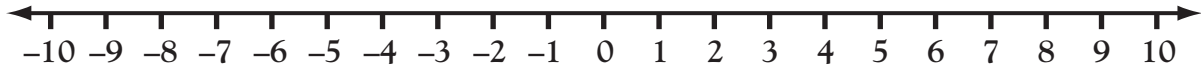
0-25 Number Line



0-25 Number Line



Integers Number Lines



Number Lines (Blank Elementary)

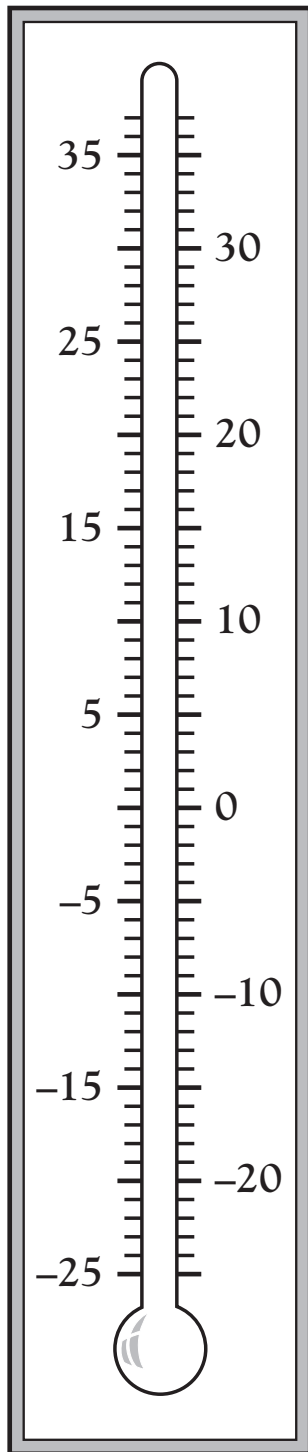


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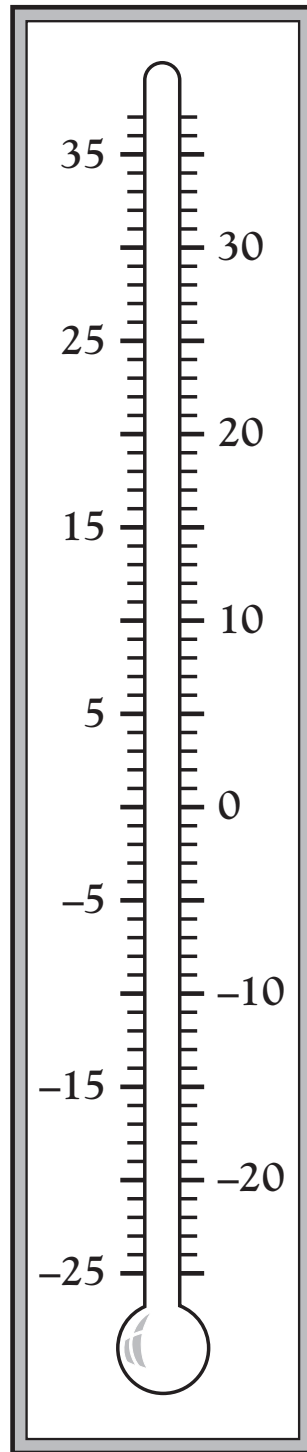
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Thermometers

Celsius
°C

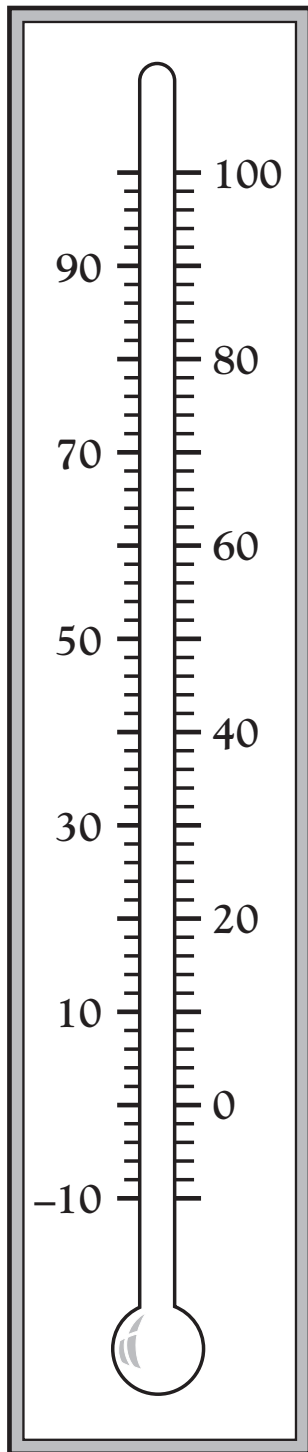


Celsius
°C

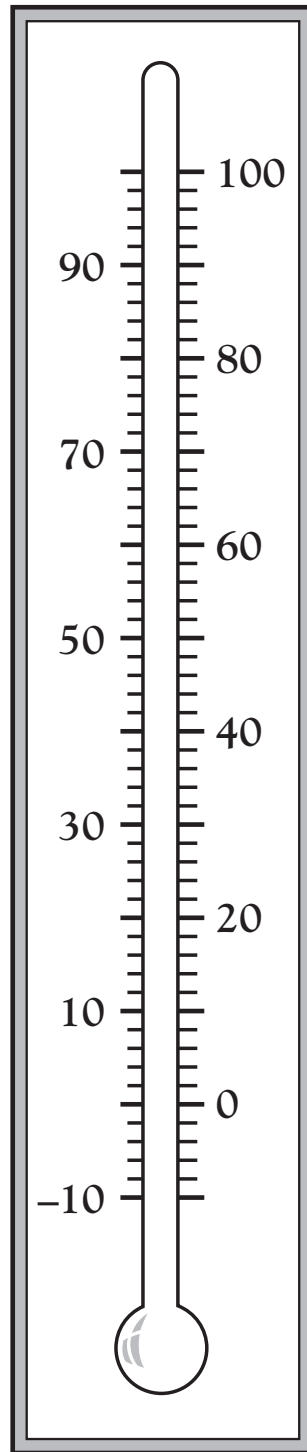


Thermometers

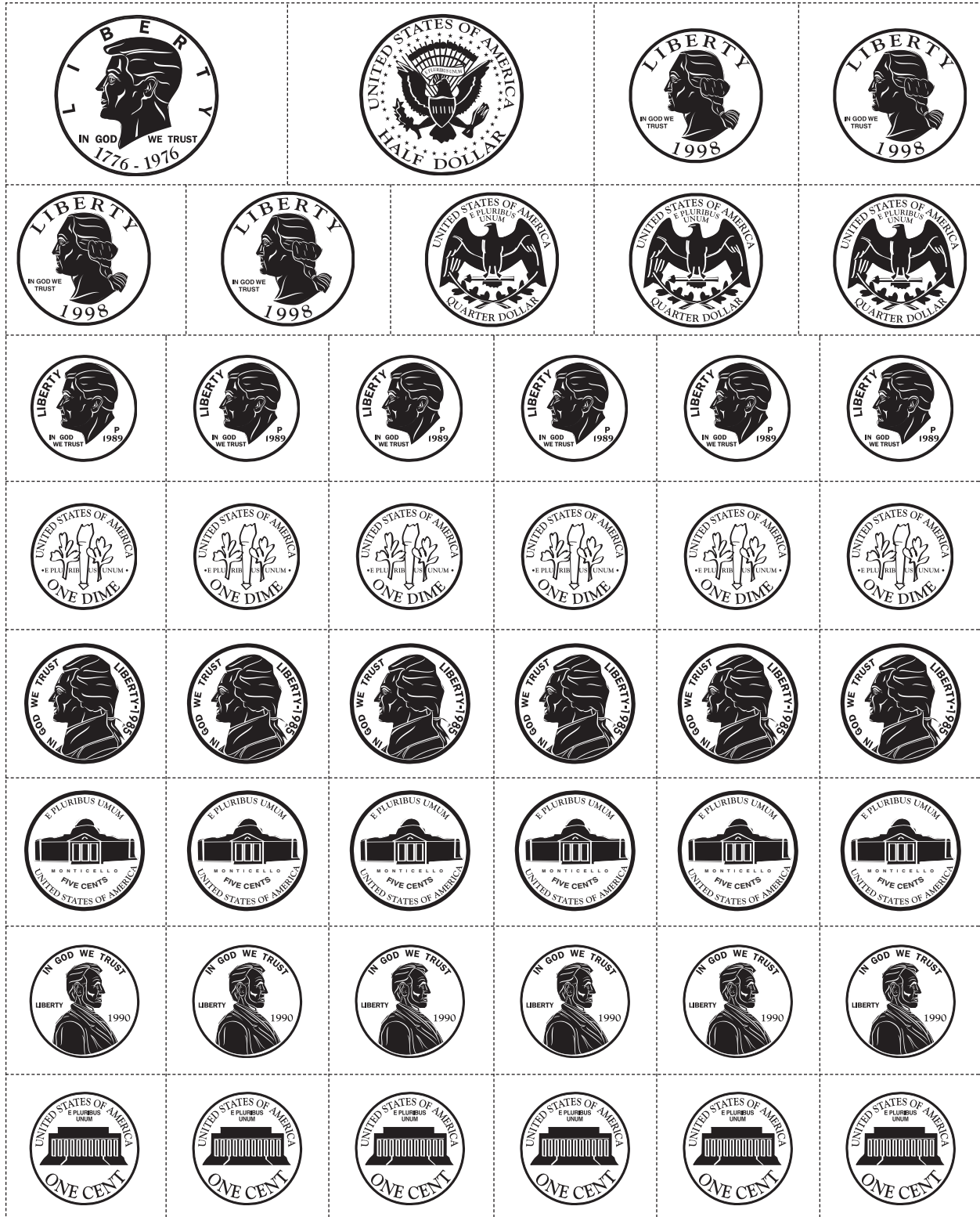
Fahrenheit
°F



Fahrenheit
°F

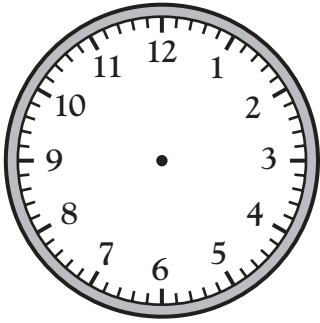


Coins

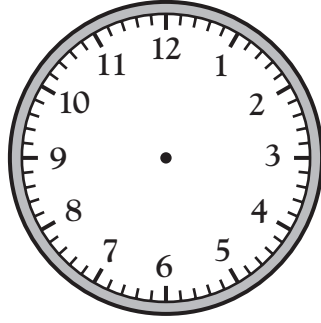


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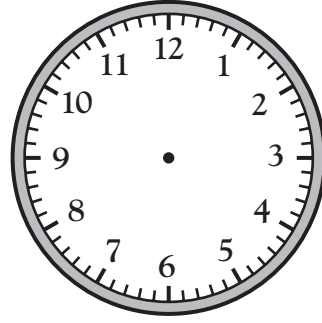
Clock Recording Sheet



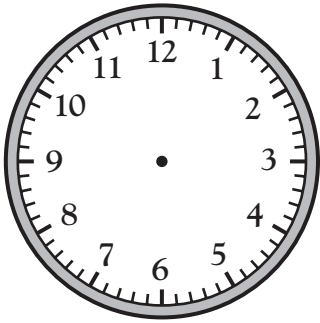
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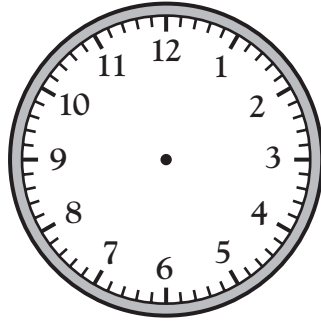
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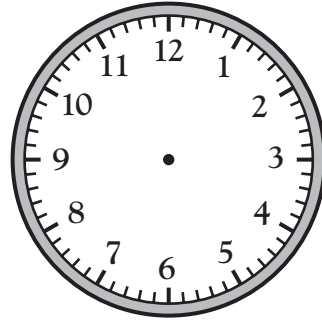
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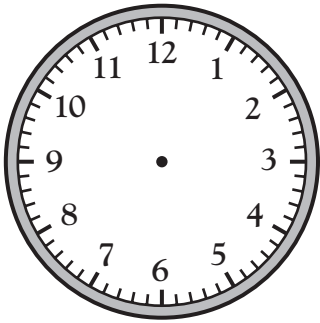
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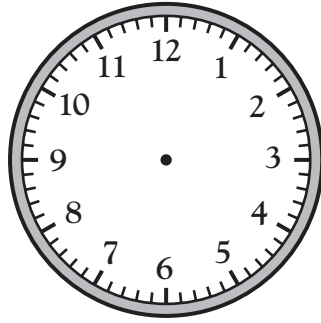
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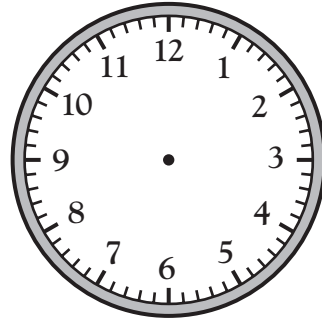
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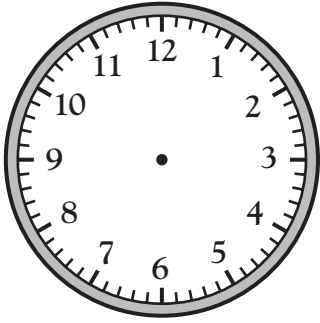


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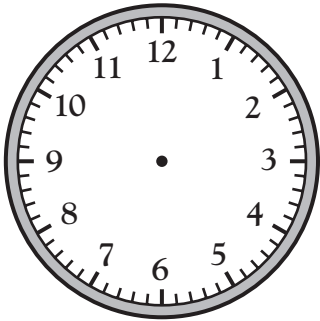


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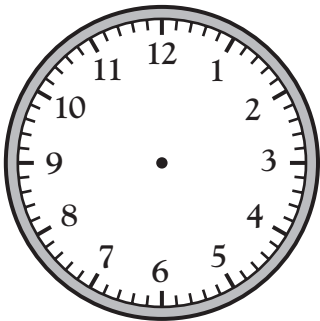
Time of Day



:



:

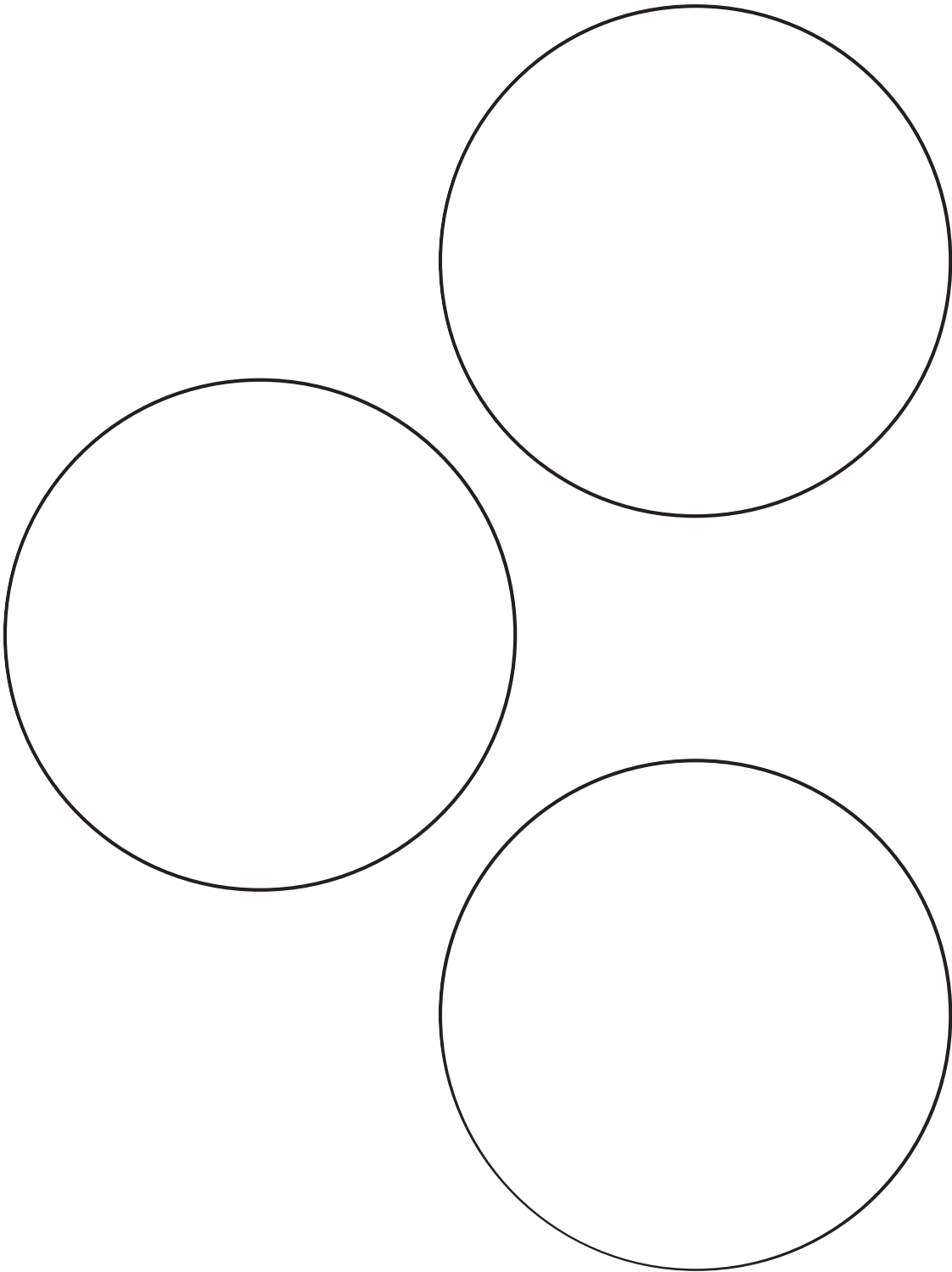


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10-Frame

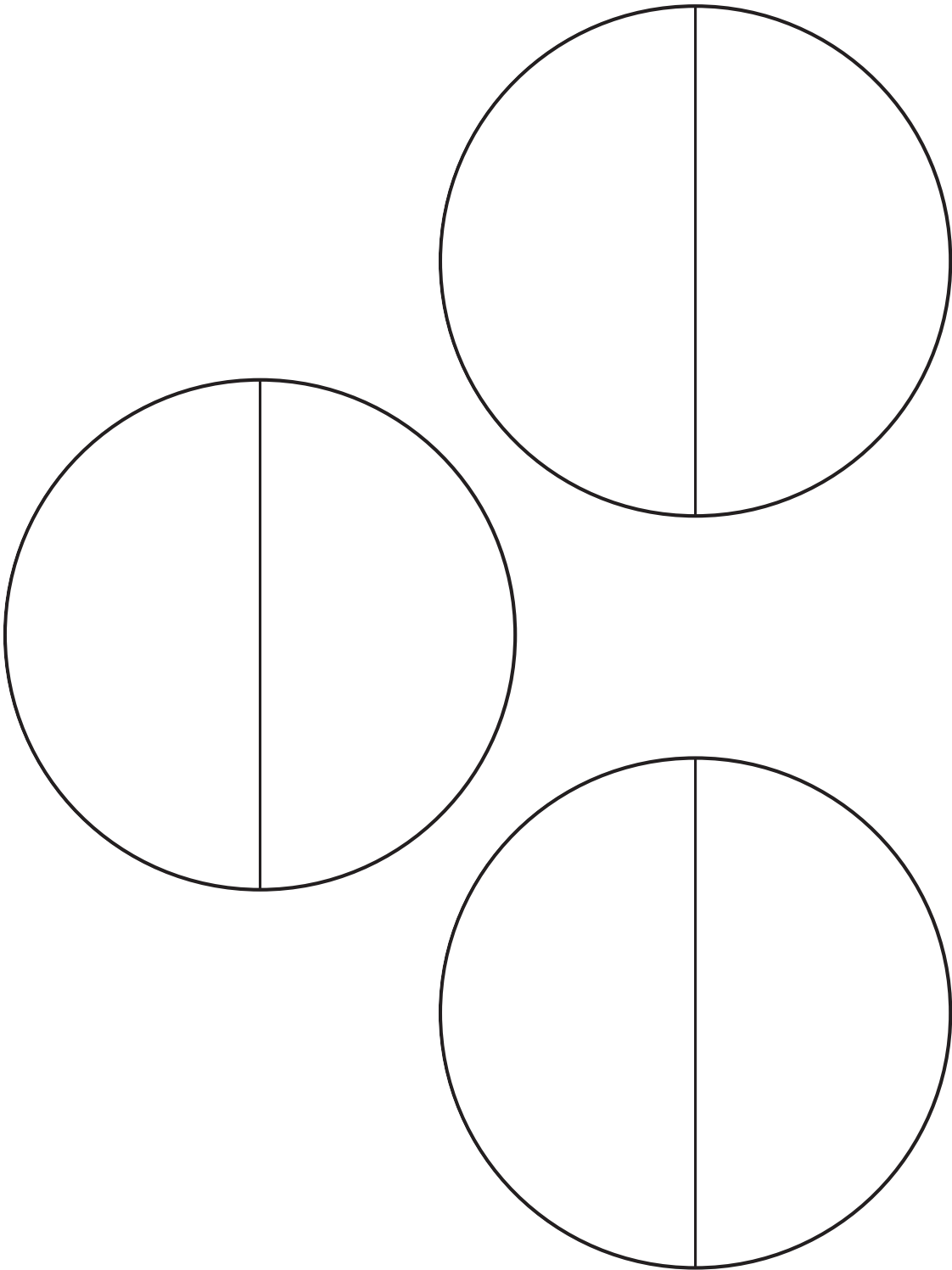
Circular Fraction Pieces

Wholes



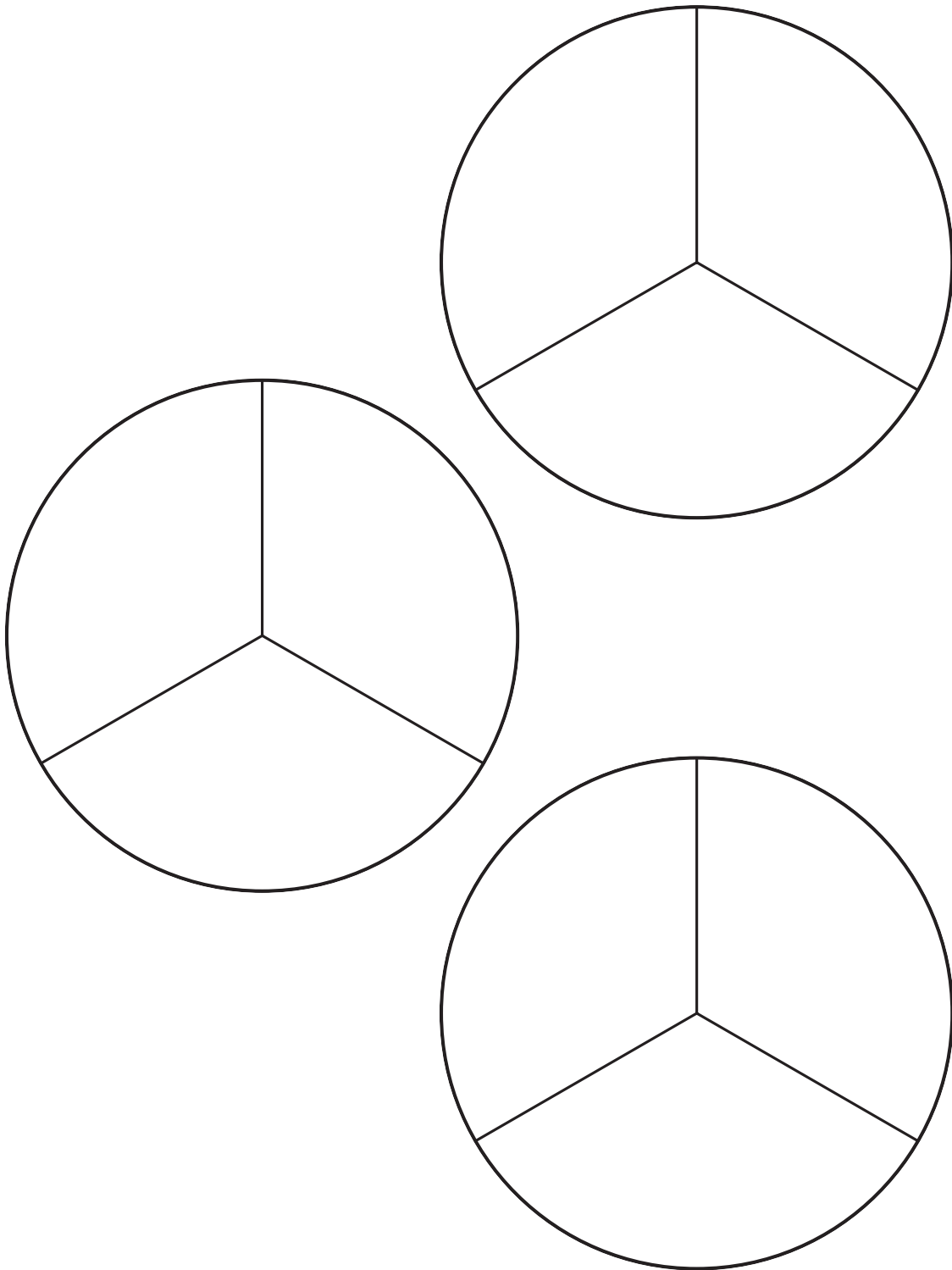
Circular Fraction Pieces

Halves



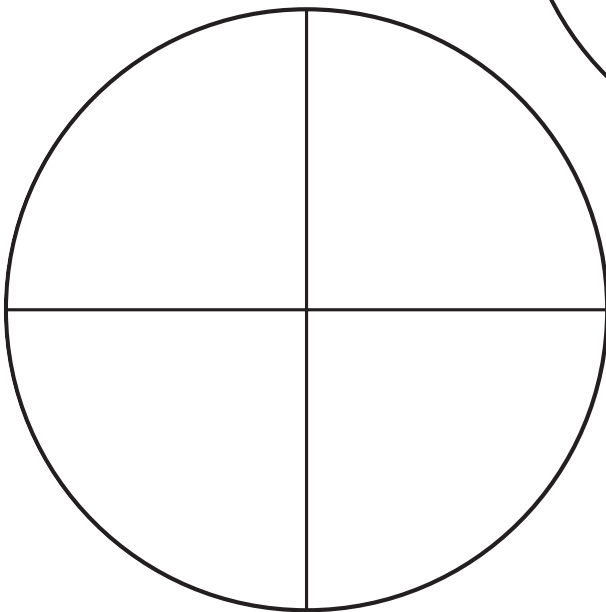
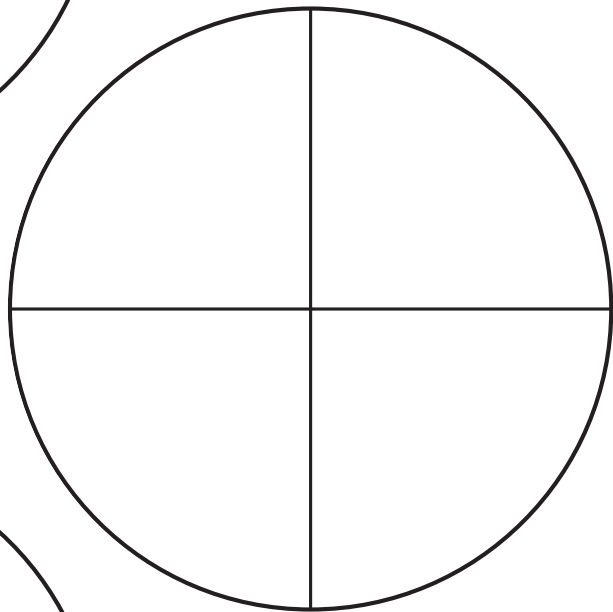
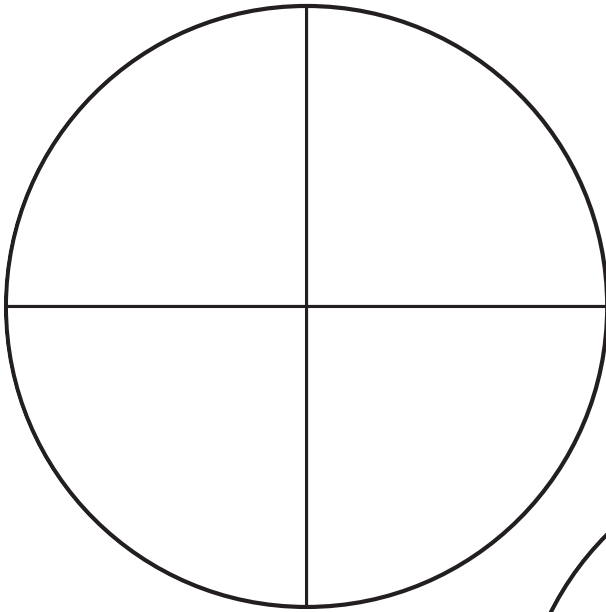
Circular Fraction Pieces

Thirds



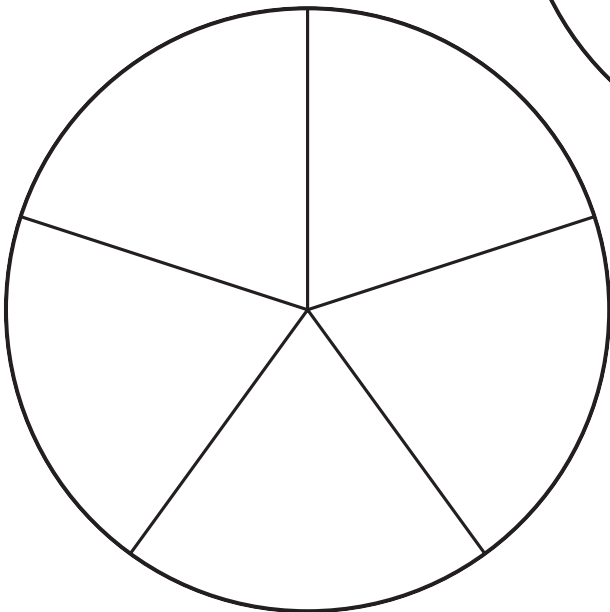
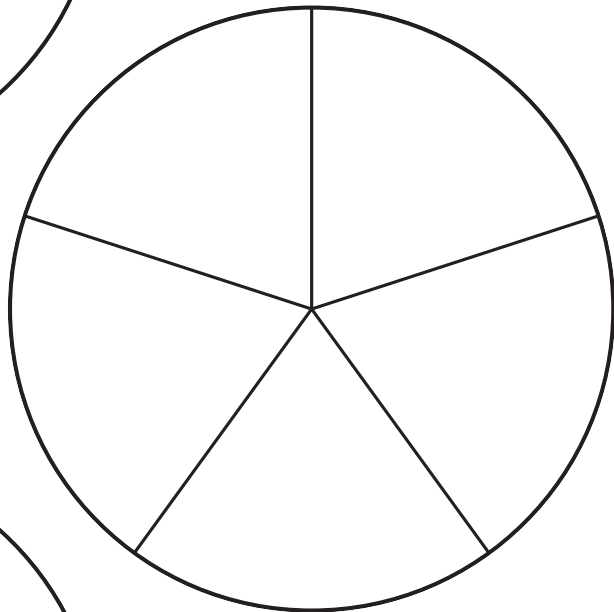
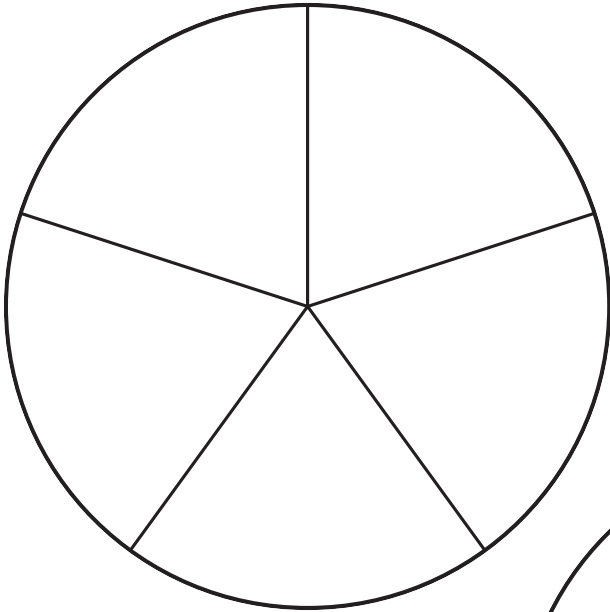
Circular Fraction Pieces

Fourths



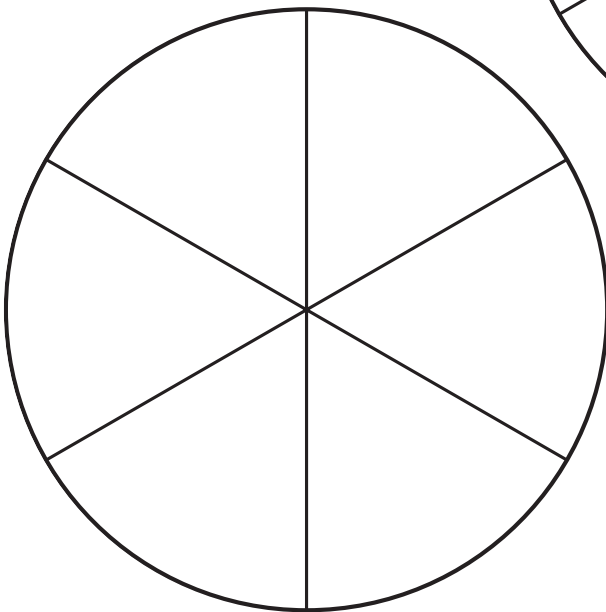
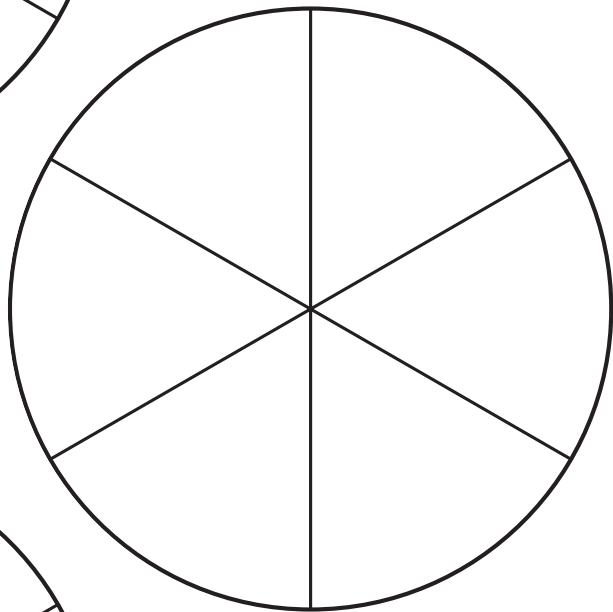
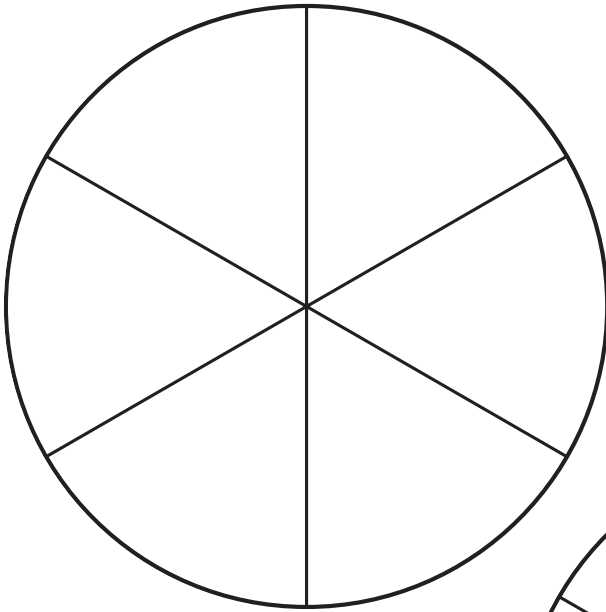
Circular Fraction Pieces

Fifths



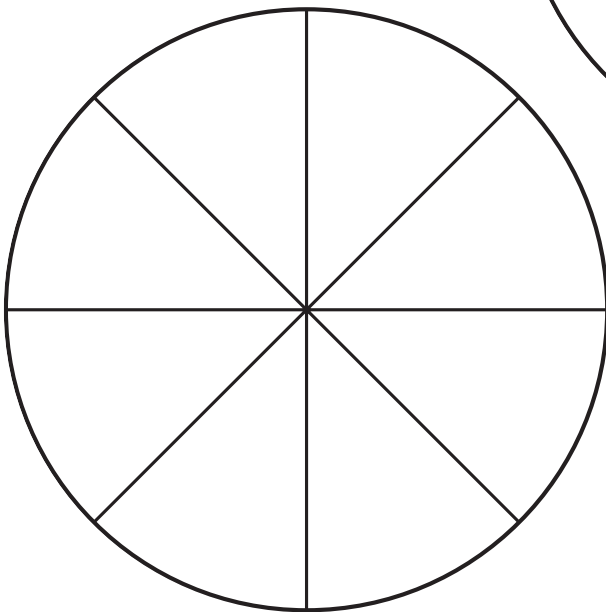
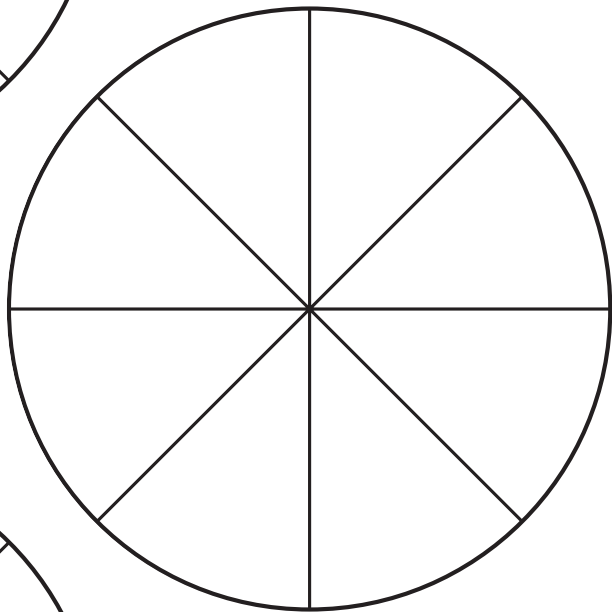
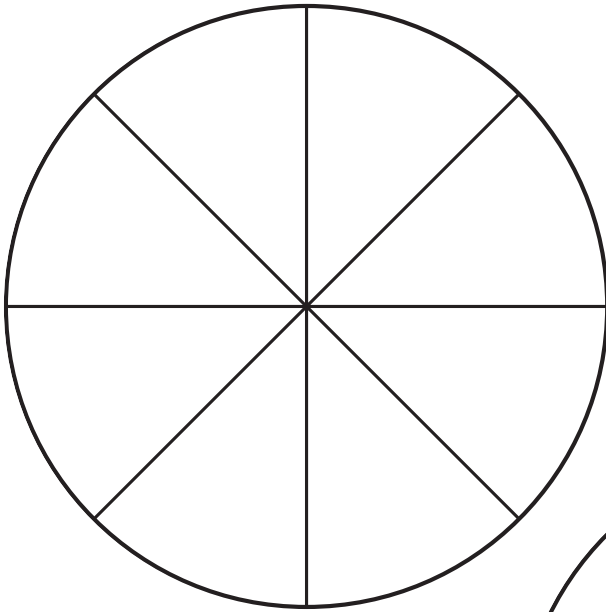
Circular Fraction Pieces

Sixths



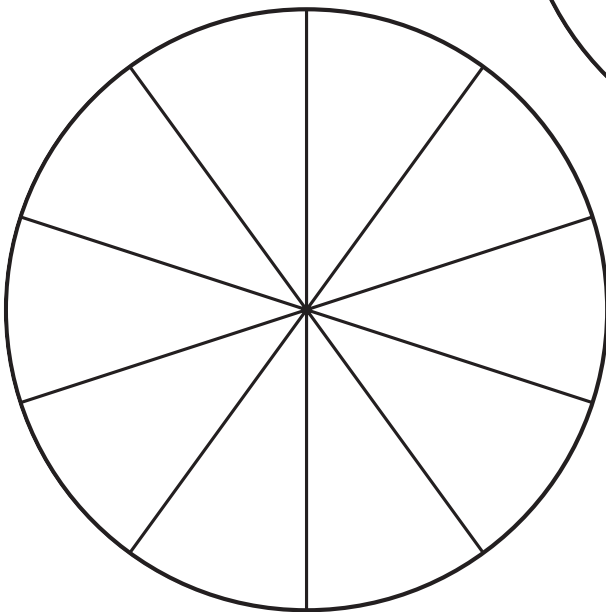
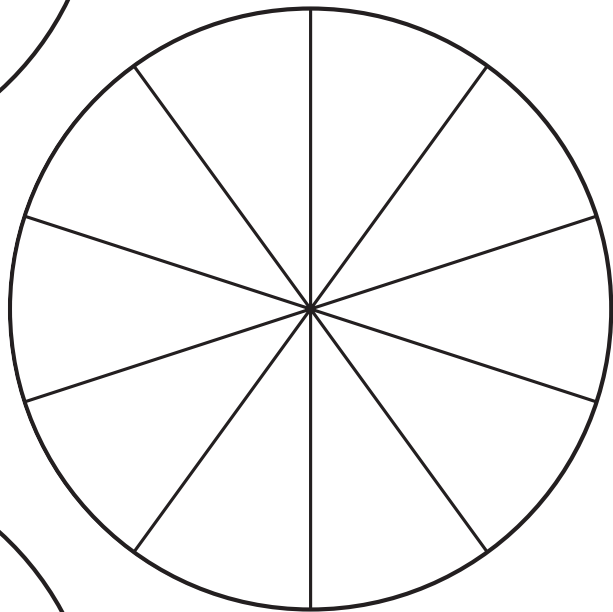
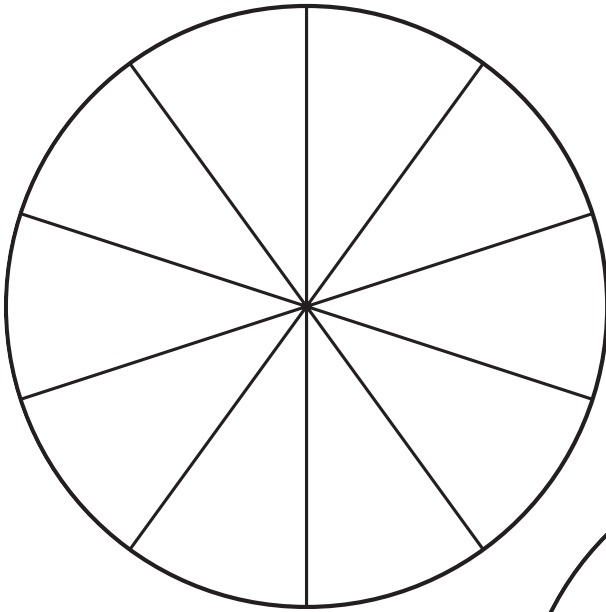
Circular Fraction Pieces

Eighths

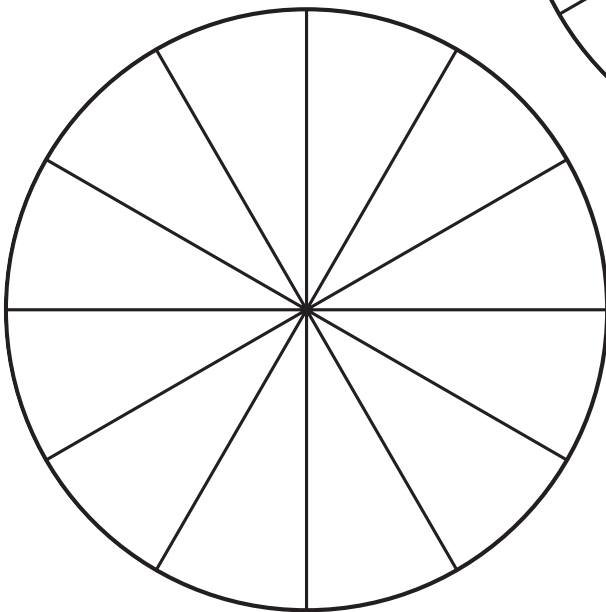
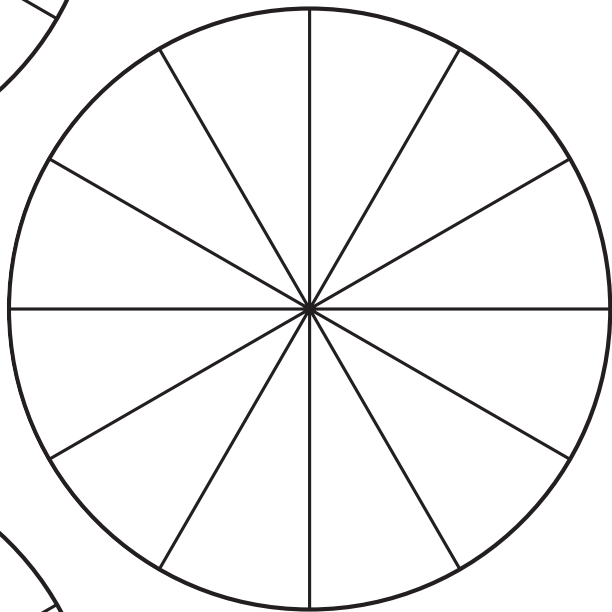
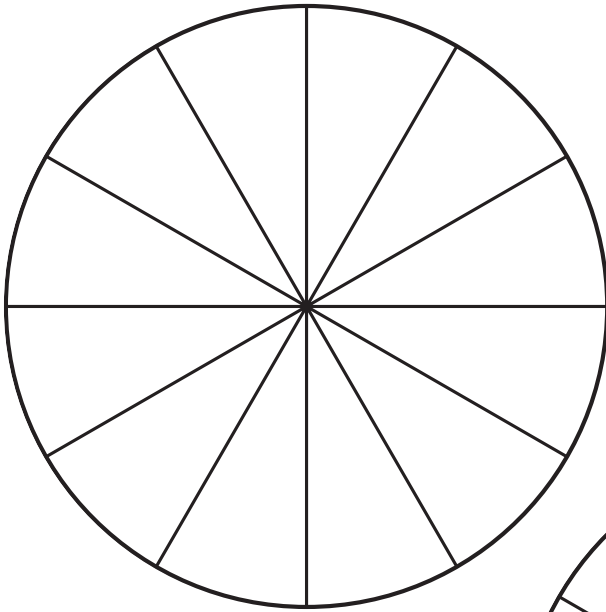


Circular Fraction Pieces

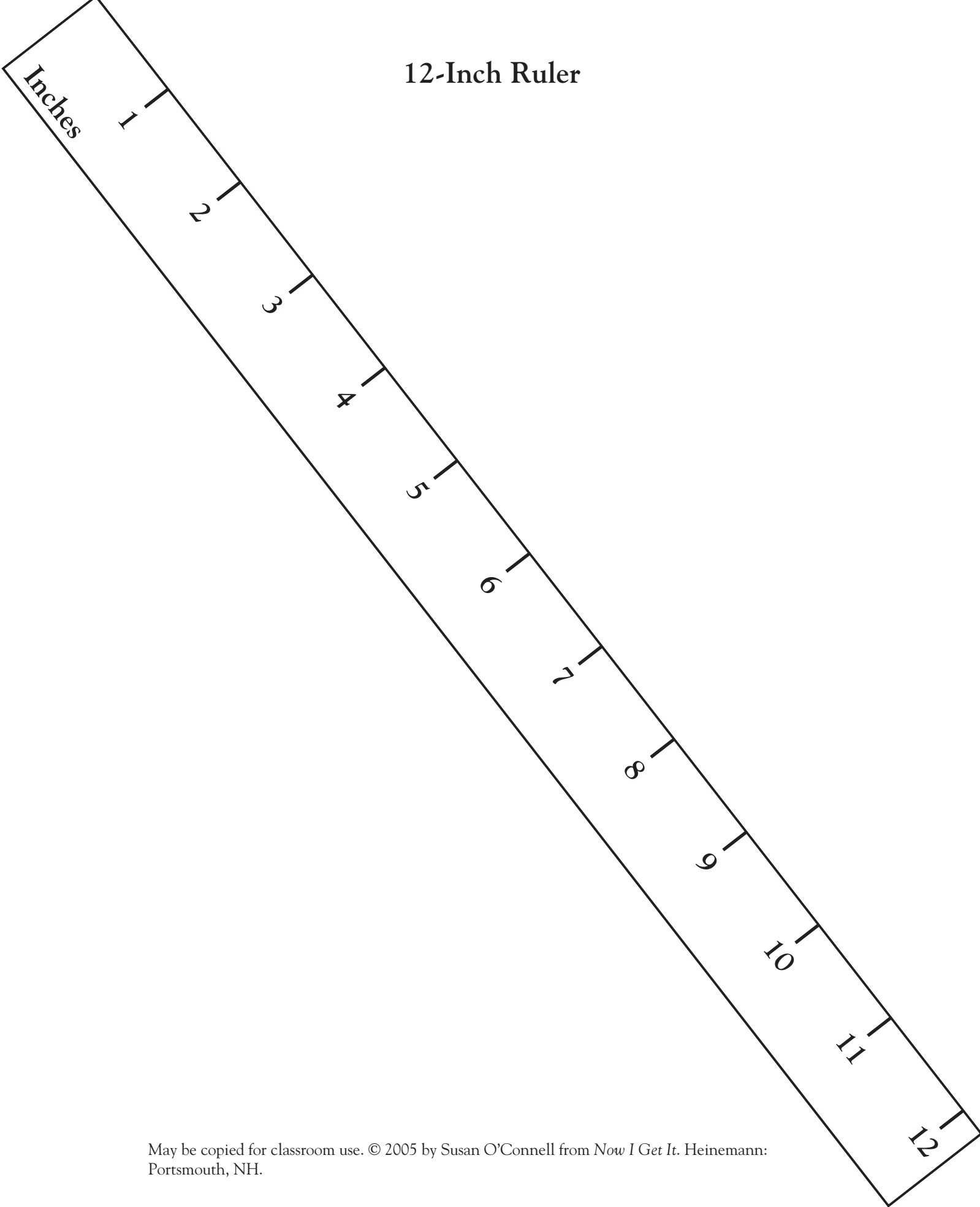
Tenths



Circular Fraction Pieces Twelfths

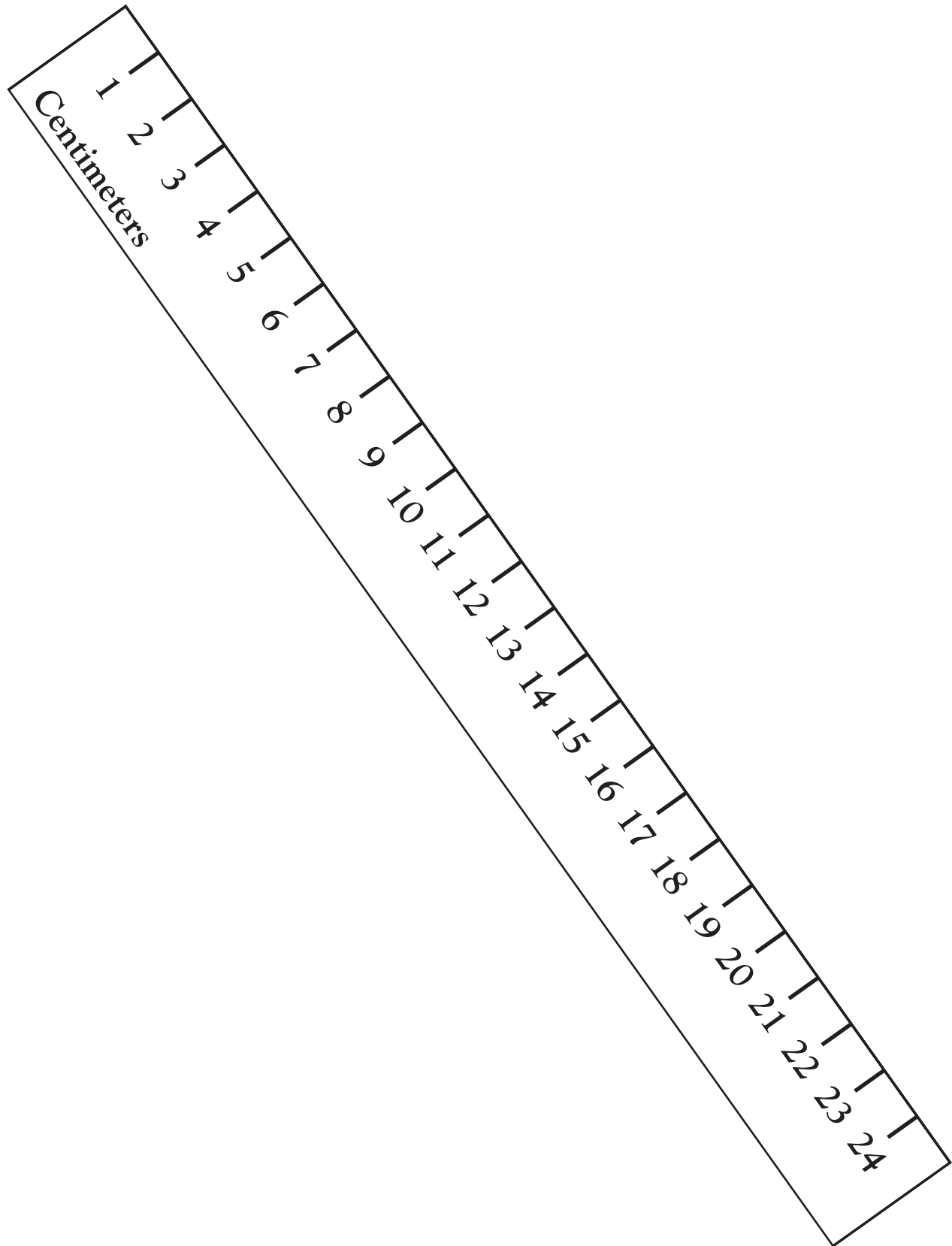


12-Inch Ruler



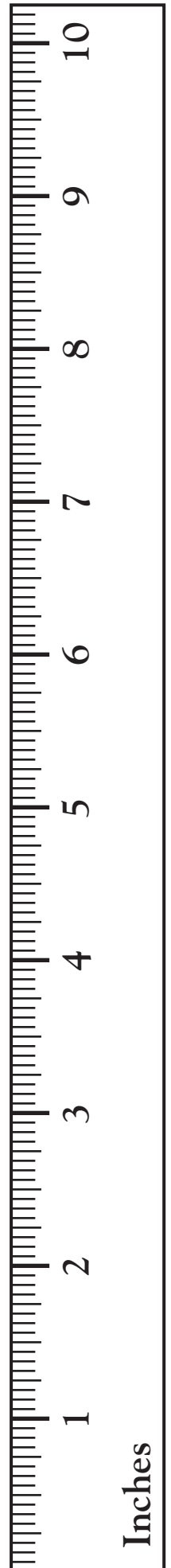
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Centimeter Ruler



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Centimeter Ruler and Inch Ruler

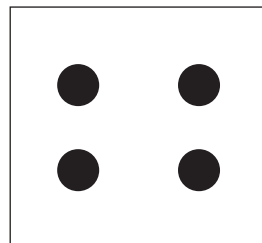
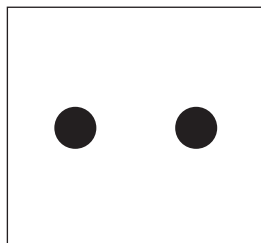
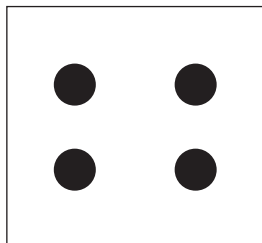
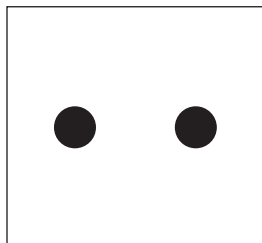
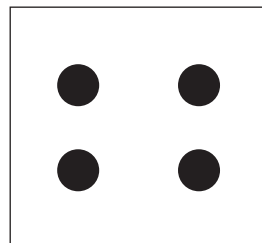
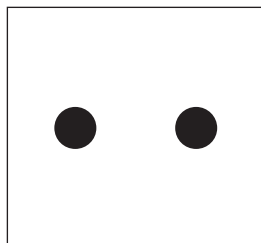
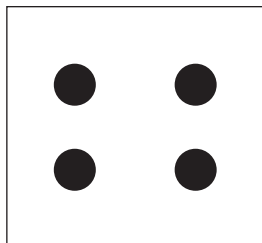
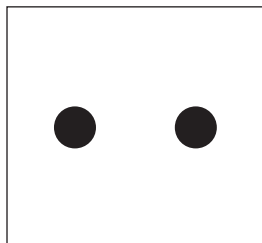
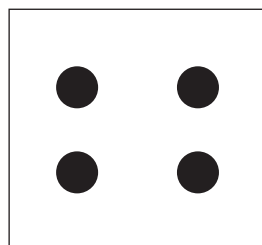
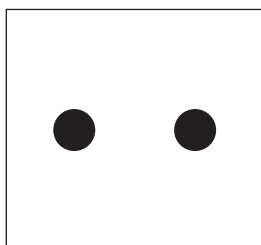
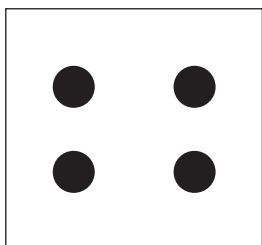
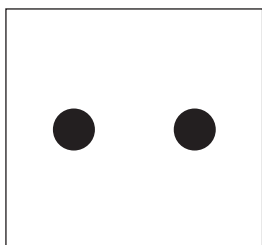
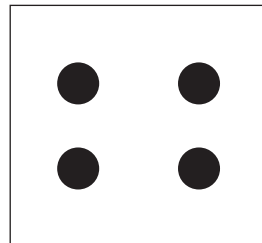
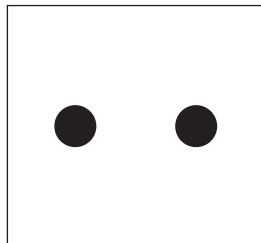
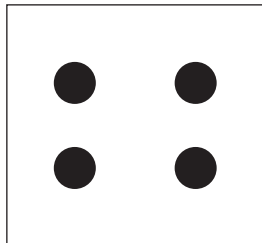
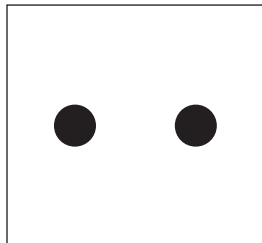


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Month:							
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	

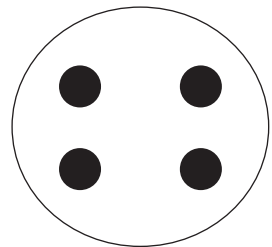
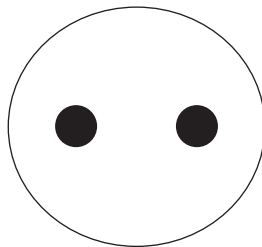
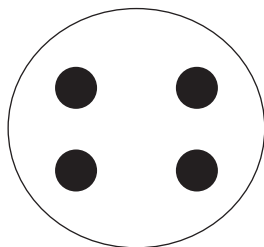
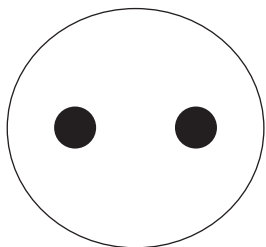
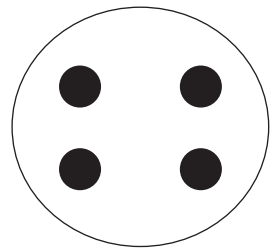
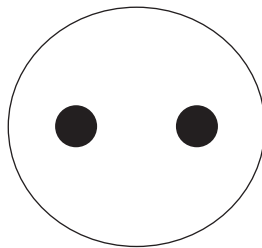
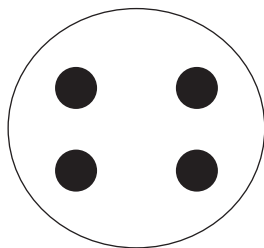
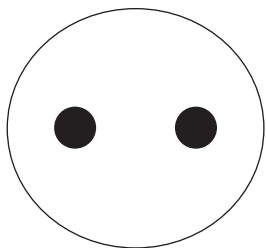
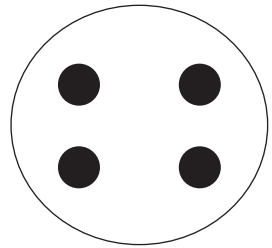
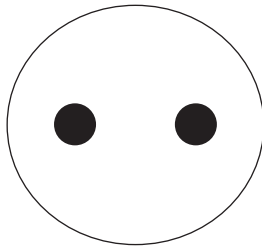
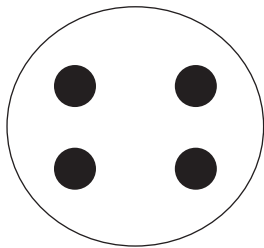
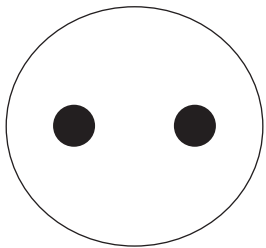
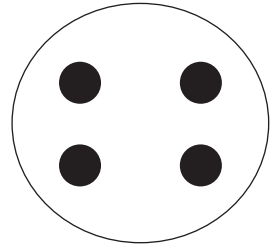
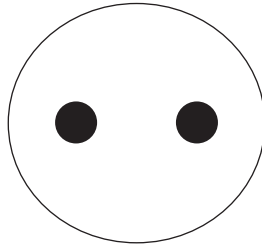
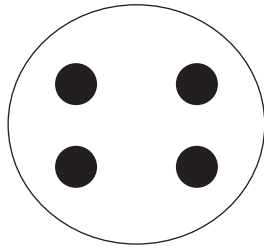
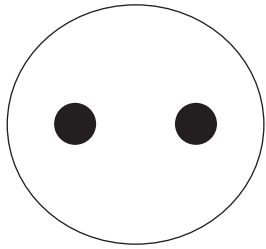
Buttons for Sorting

(Copy on different colors of card stock paper, then cut out buttons for sorting activities.)



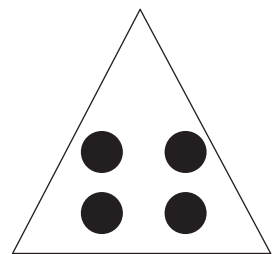
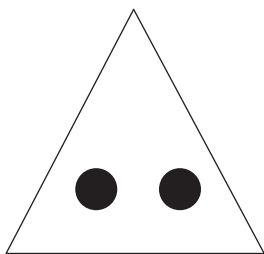
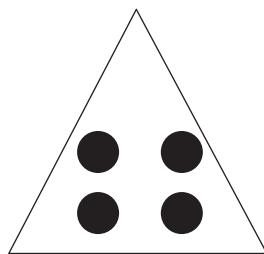
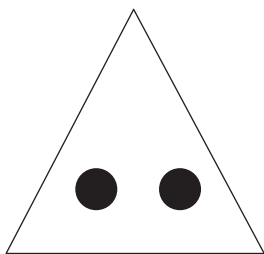
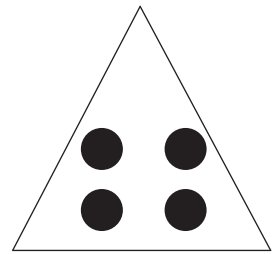
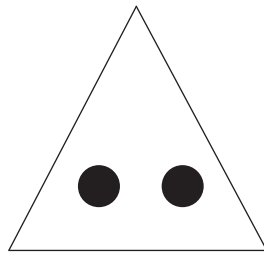
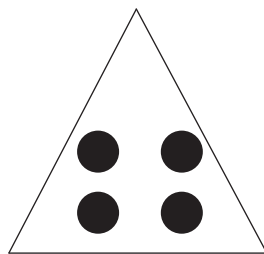
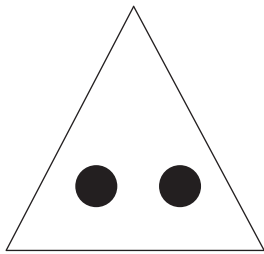
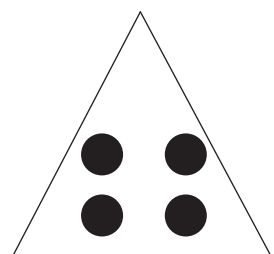
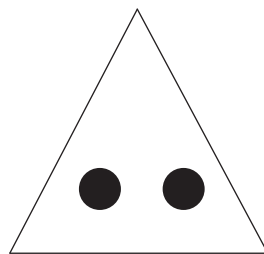
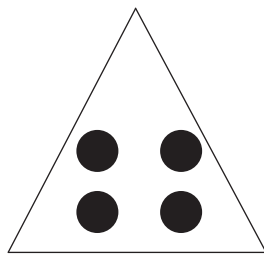
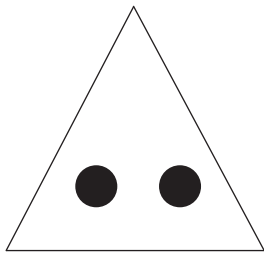
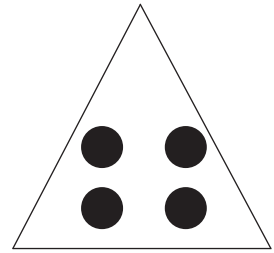
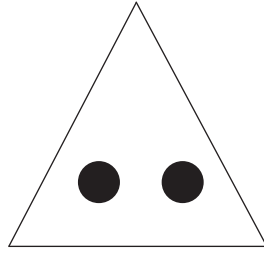
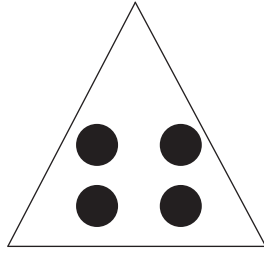
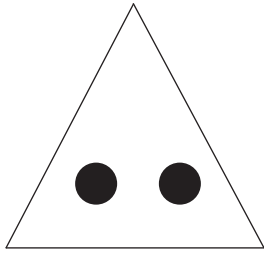
Buttons for Sorting

(Copy on different colors of card stock paper, then cut out buttons for sorting activities.)

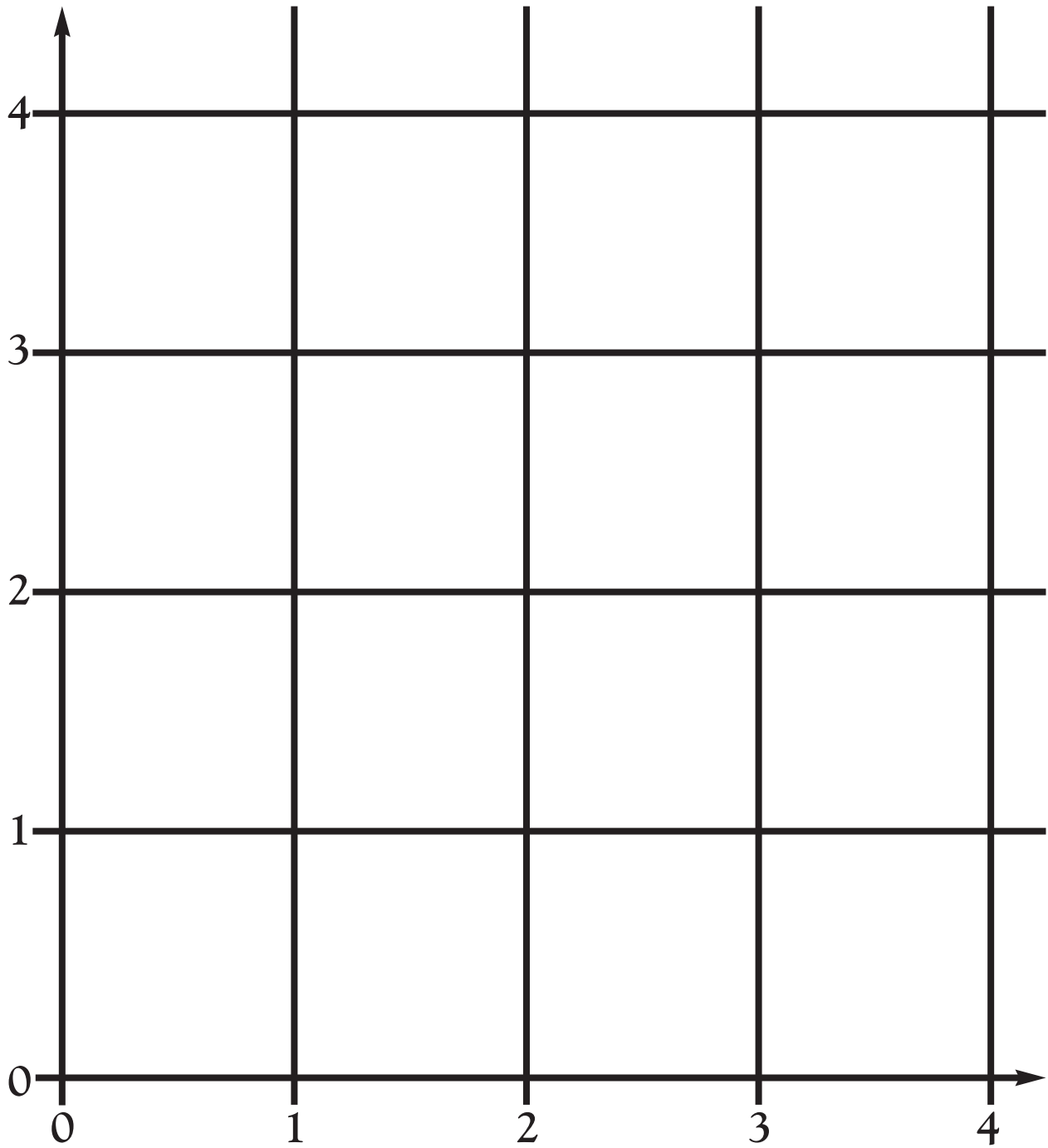


Buttons for Sorting

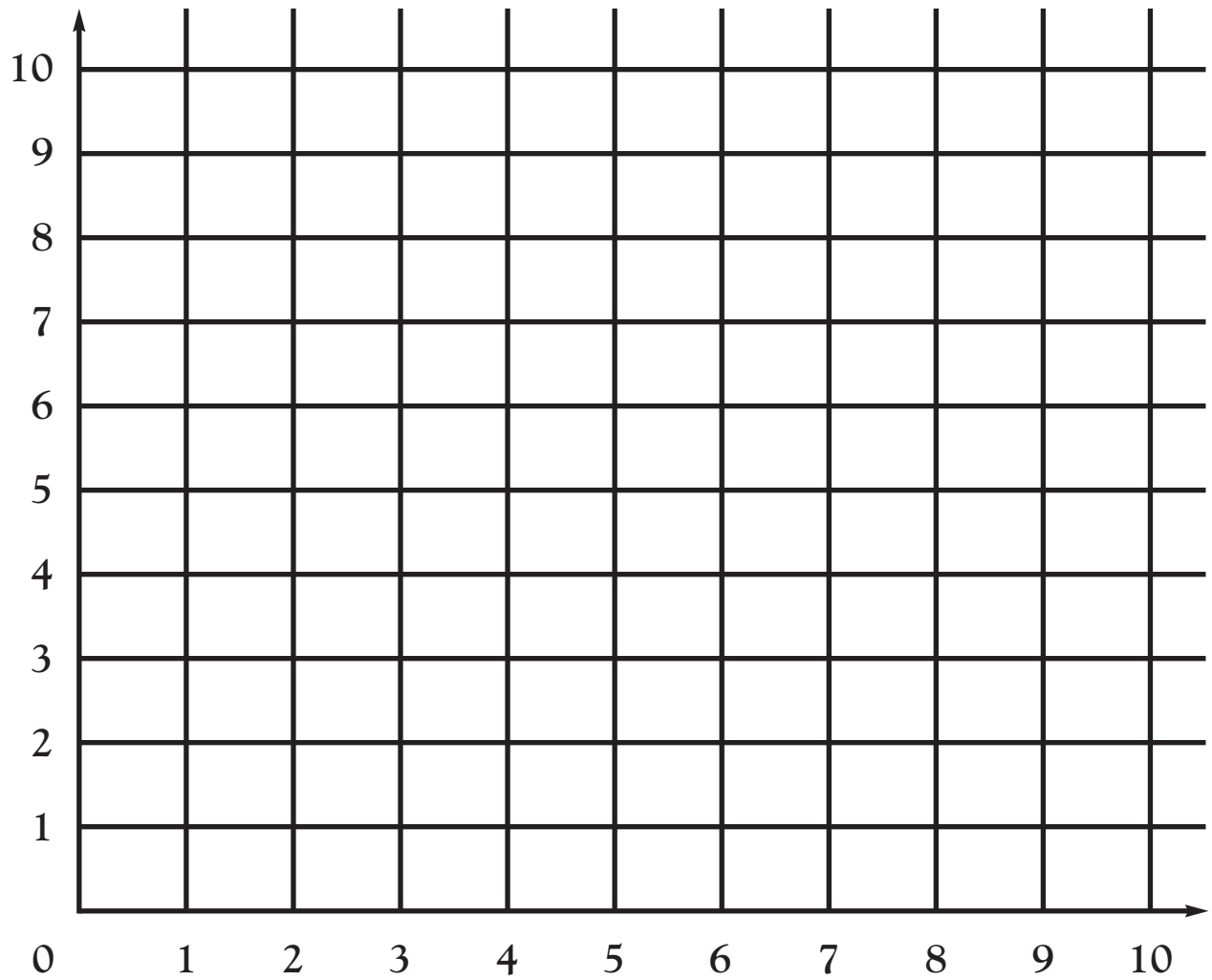
(Copy on different colors of card stock paper, then cut out buttons for sorting activities.)



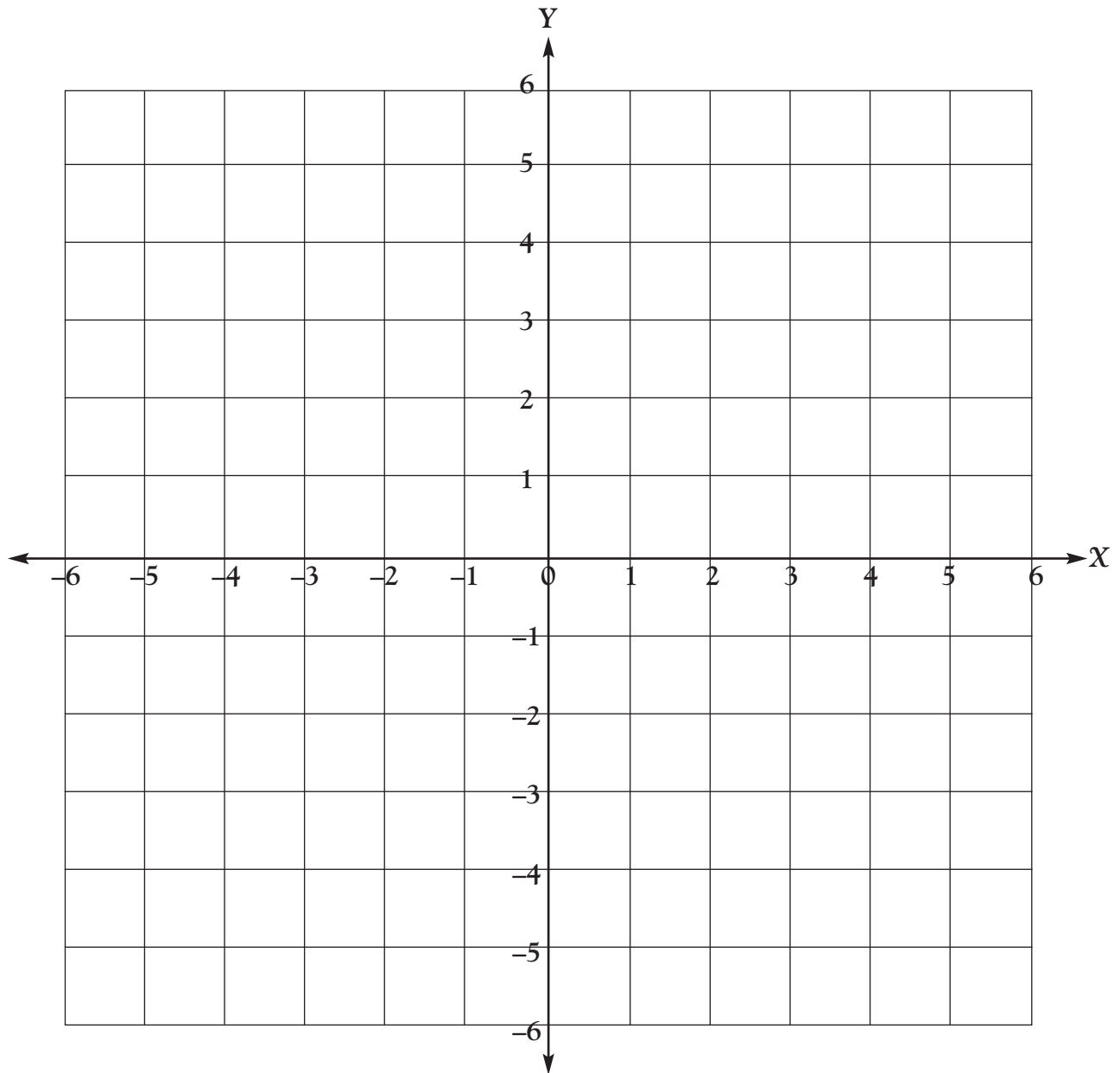
0-4 Coordinate Grid



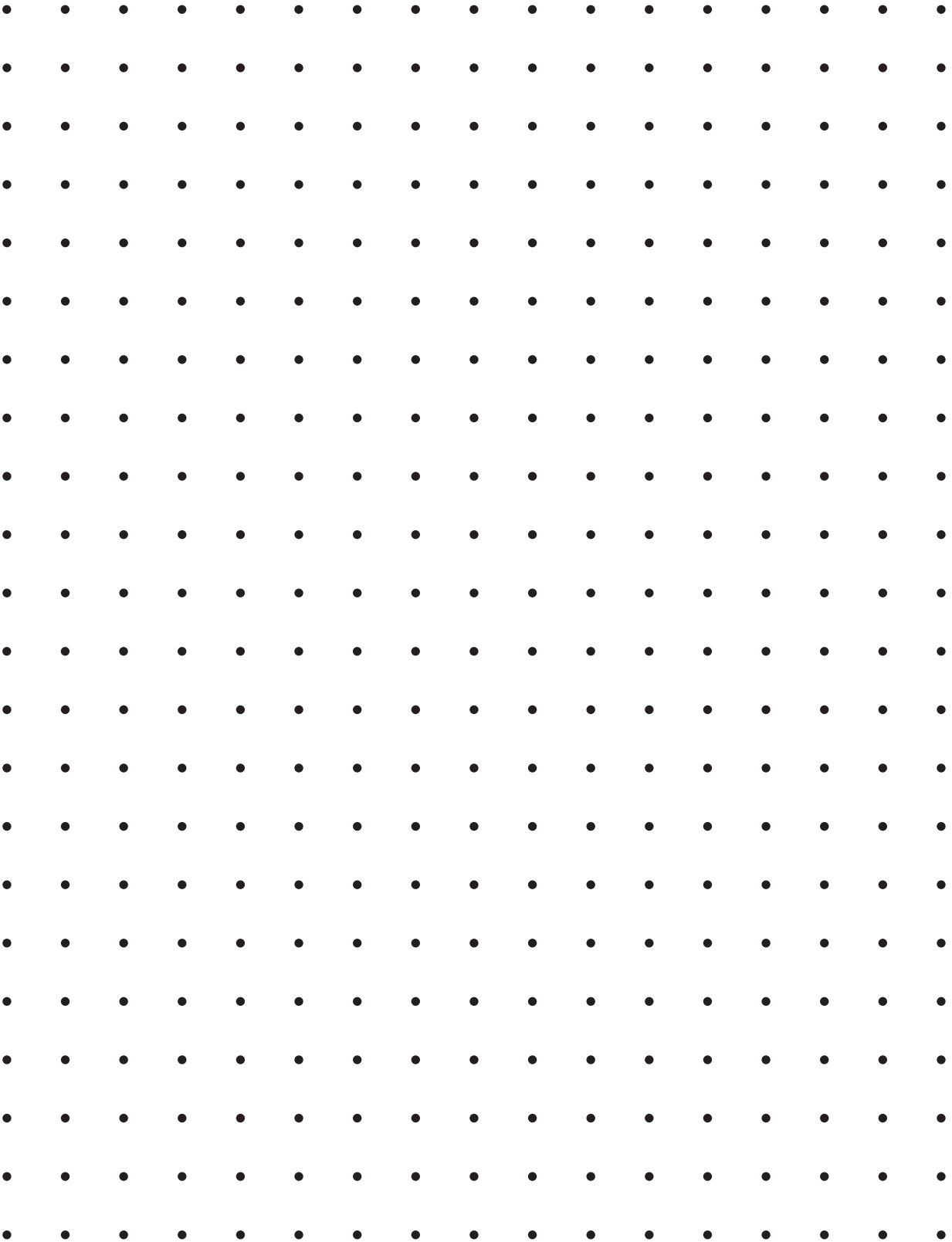
0-10 Coordinate Grid



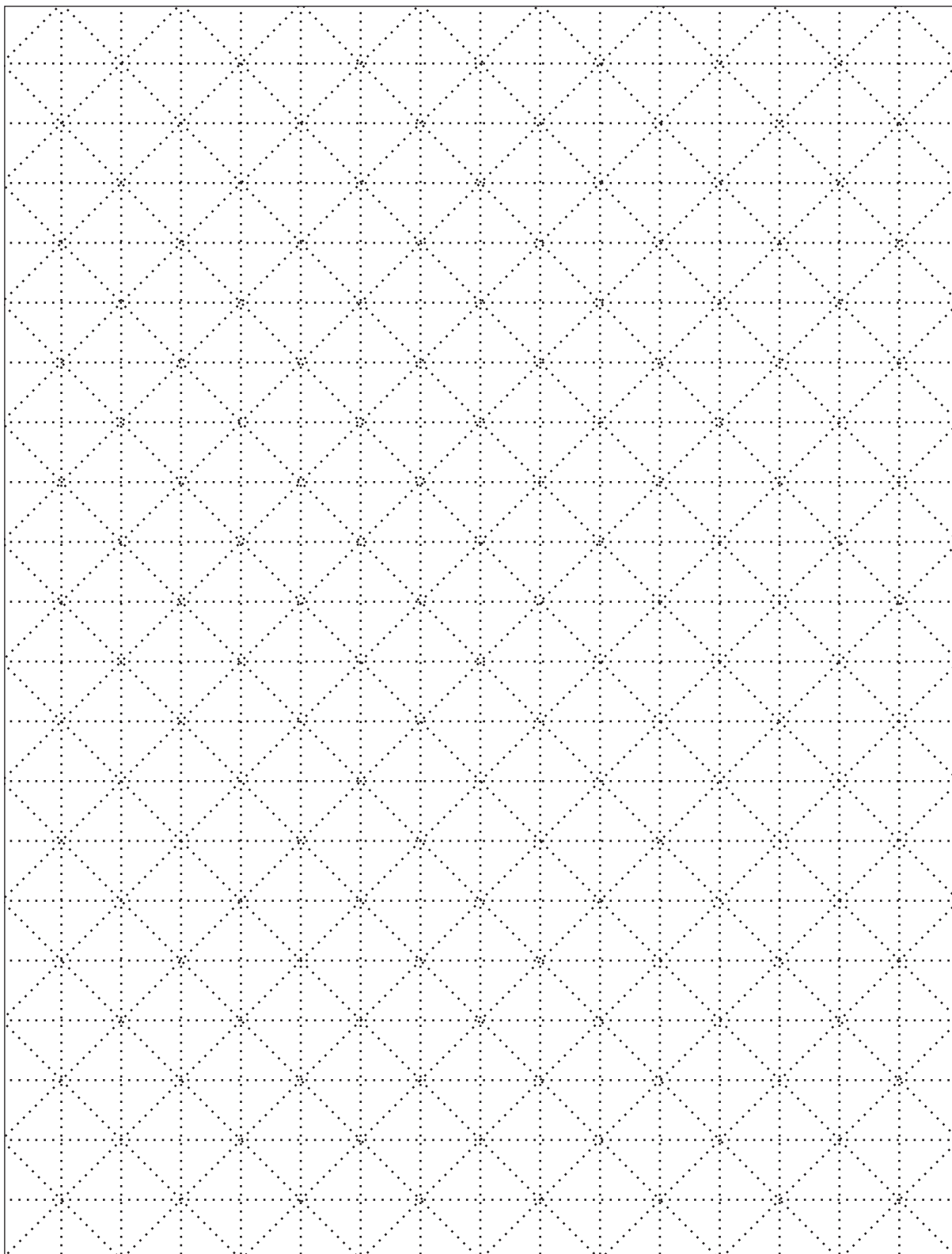
Coordinate Grid with X and Y Axis



1-cm Square Dot Grid

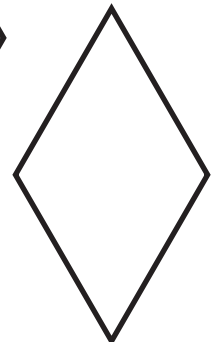
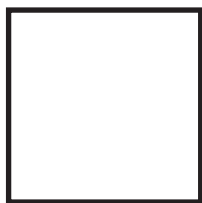
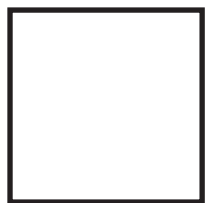
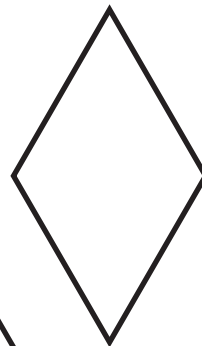
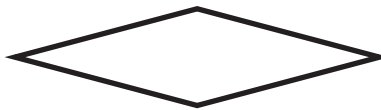
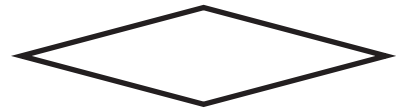
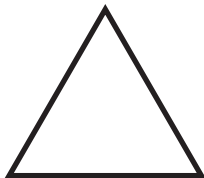
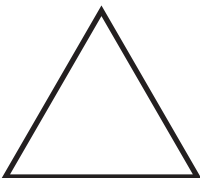
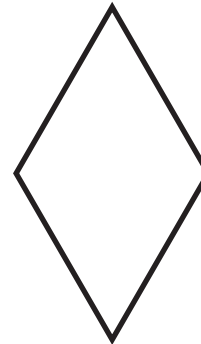
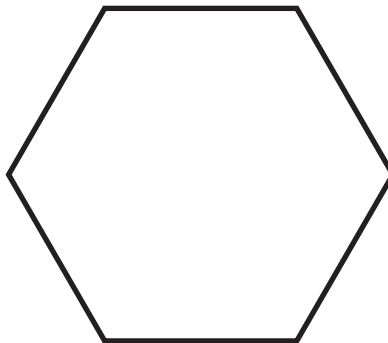
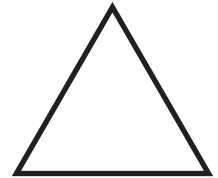
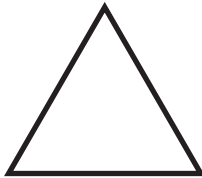
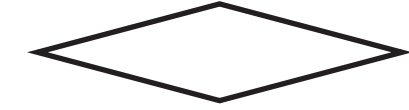
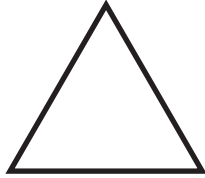
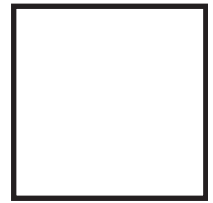
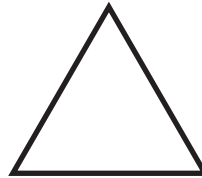
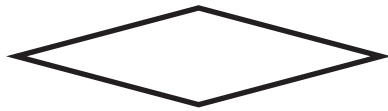
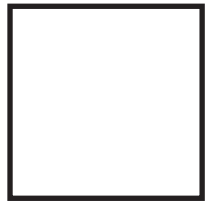


1-cm Square/Diagonal Grid



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Pattern Blocks



Addition Table

0

0 1 2 3 4 5 6 7 8 9

0

--	--	--	--	--	--	--	--	--	--

1

--	--	--	--	--	--	--	--	--	--

2

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3

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4

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5

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6

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7

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8

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9

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Multiplication Table

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