

Maths for Greater Understanding

Resources

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Addition chart

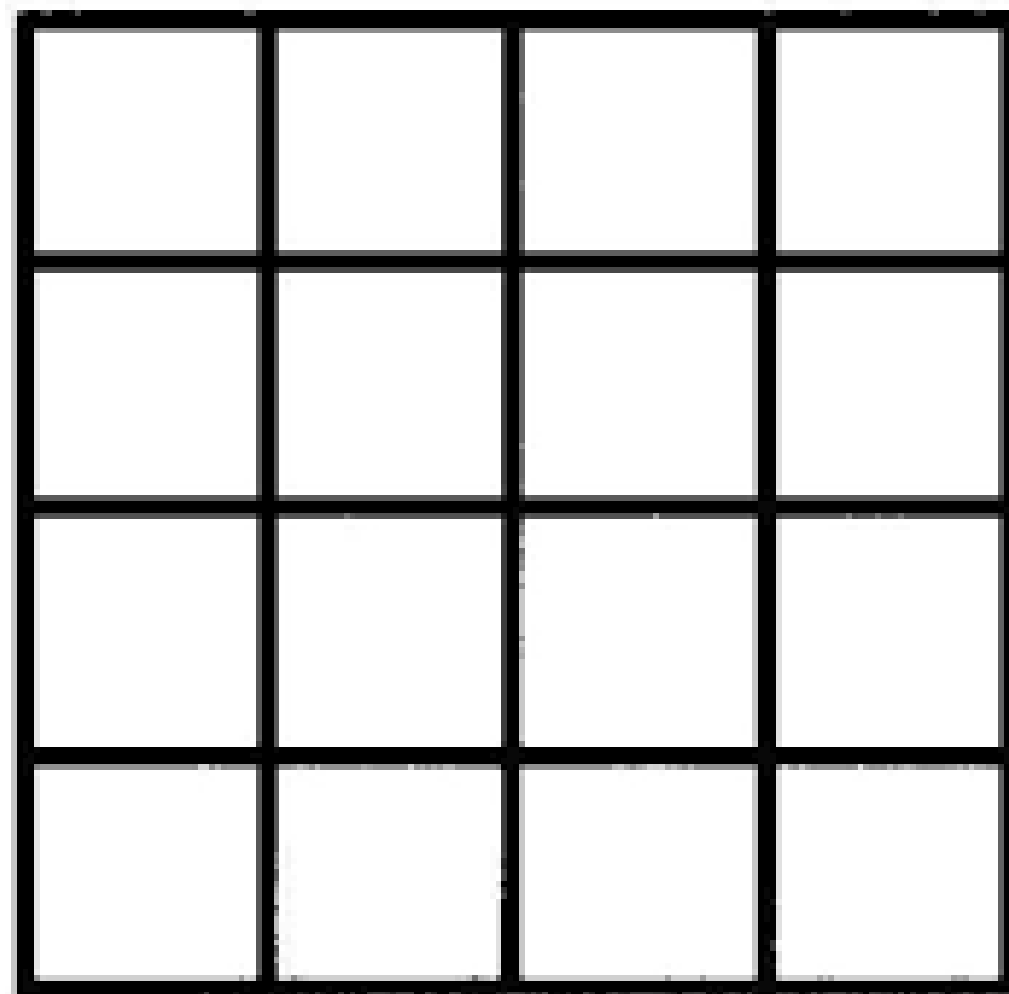
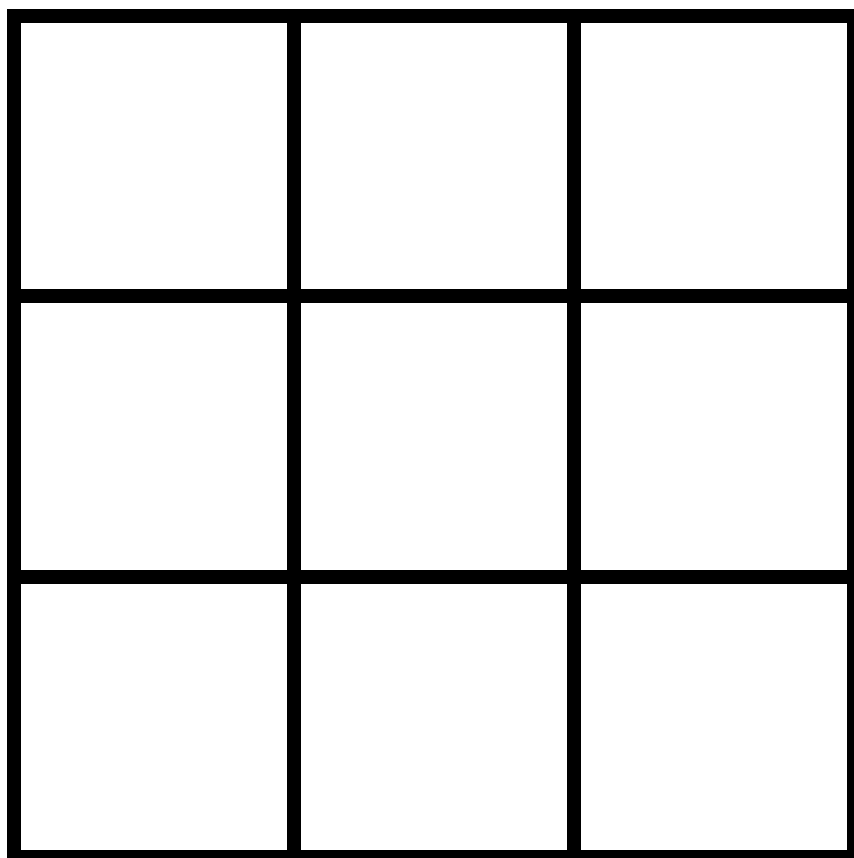
+	2	3	4	5
2				
3				
4				
5				

+	2	3	4	5
2				
3				
4				
5				

+	2	3	4	5
2				
3				
4				
5				

+	2	3	4	5
2				
3				
4				
5				

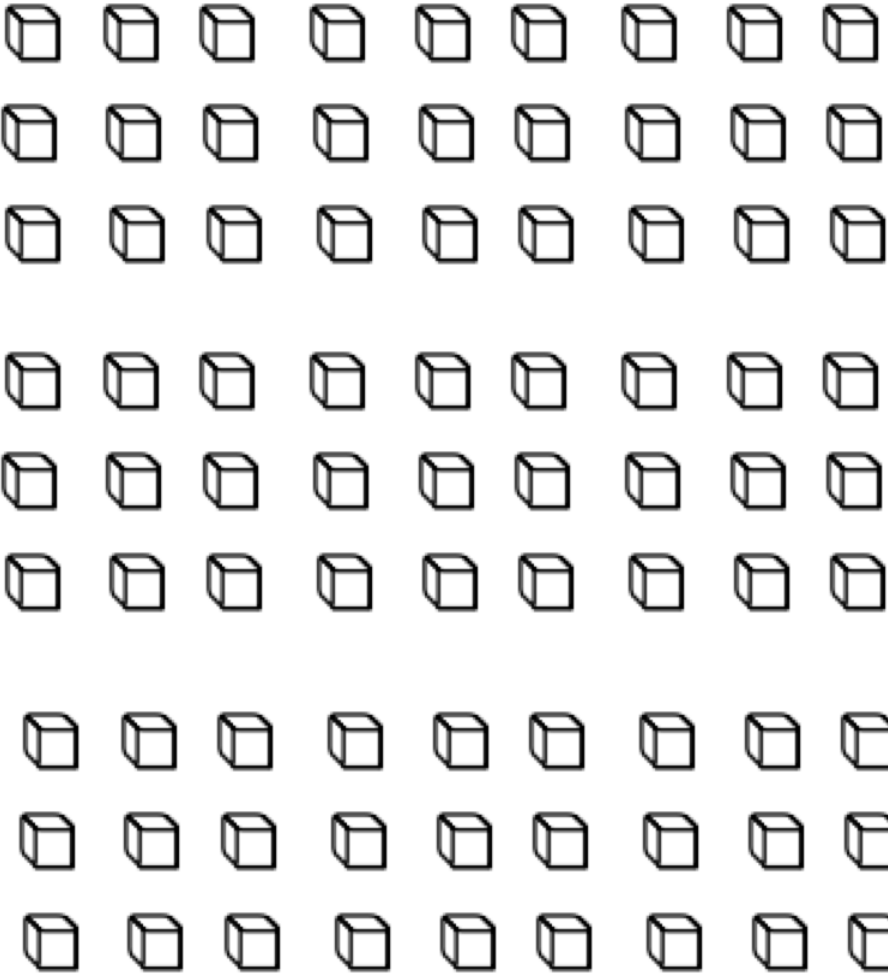
Bingo boards 3 x 3 and 4 x 4



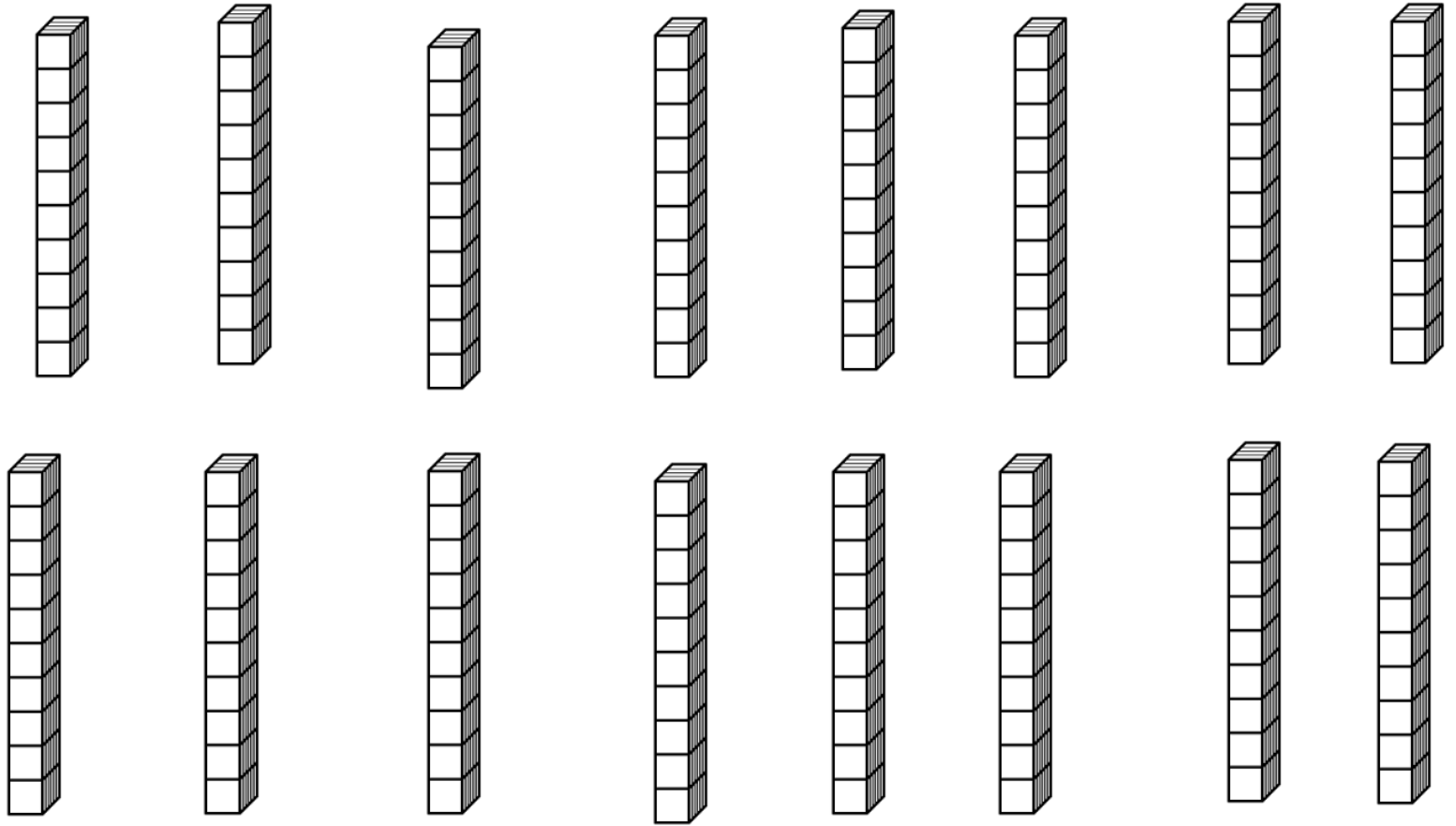
Bingo Board 5 x 5

Bingo Board 6 x 6

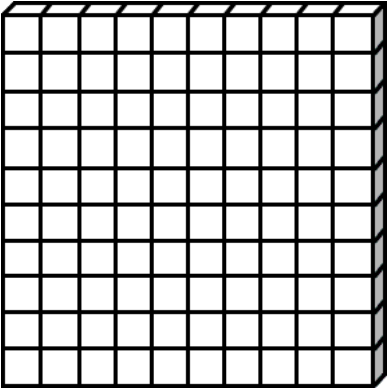
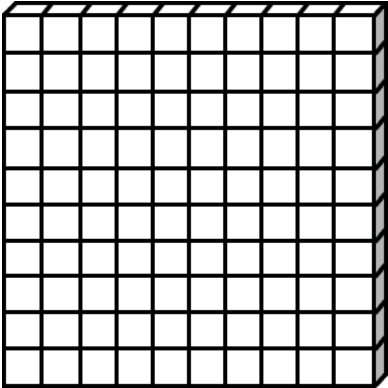
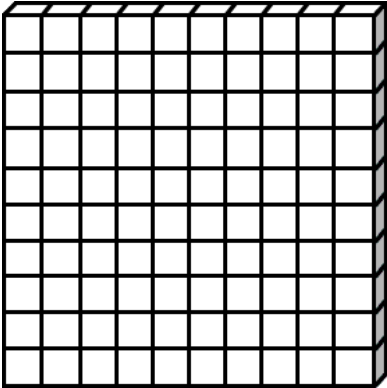
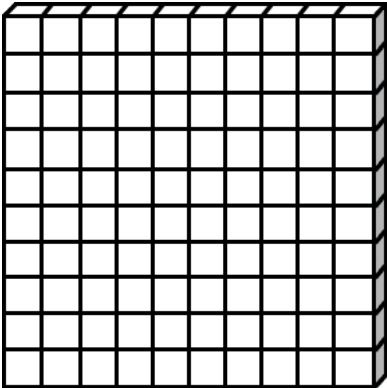
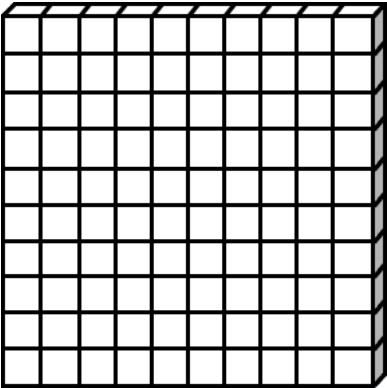
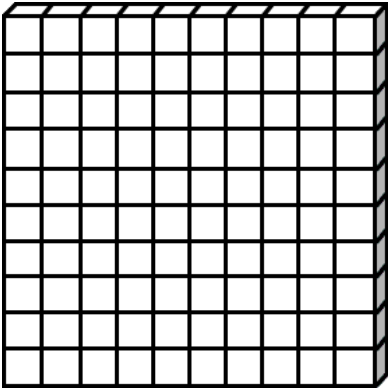
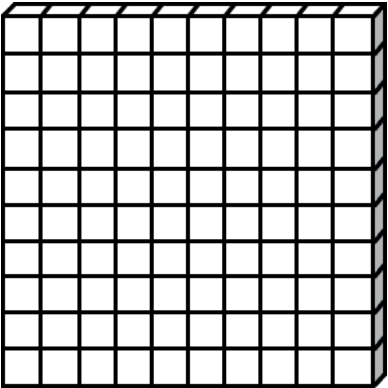
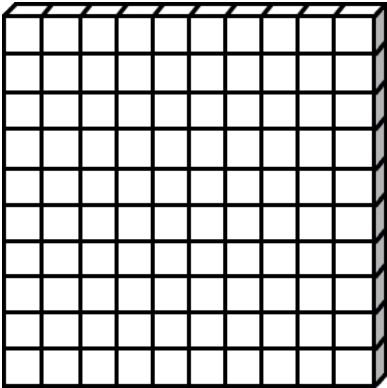
Block-pictures: ones



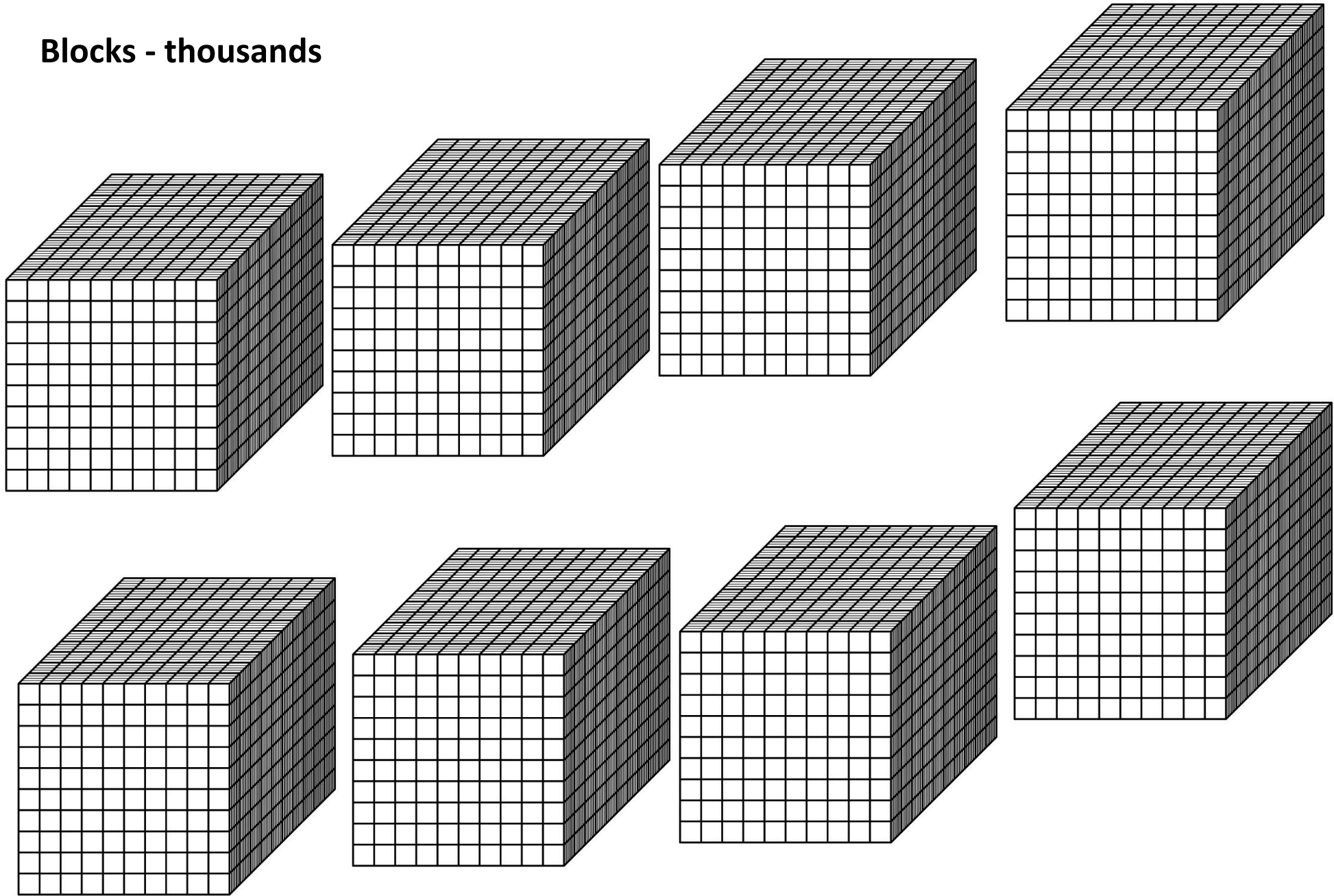
Block pictures: tens



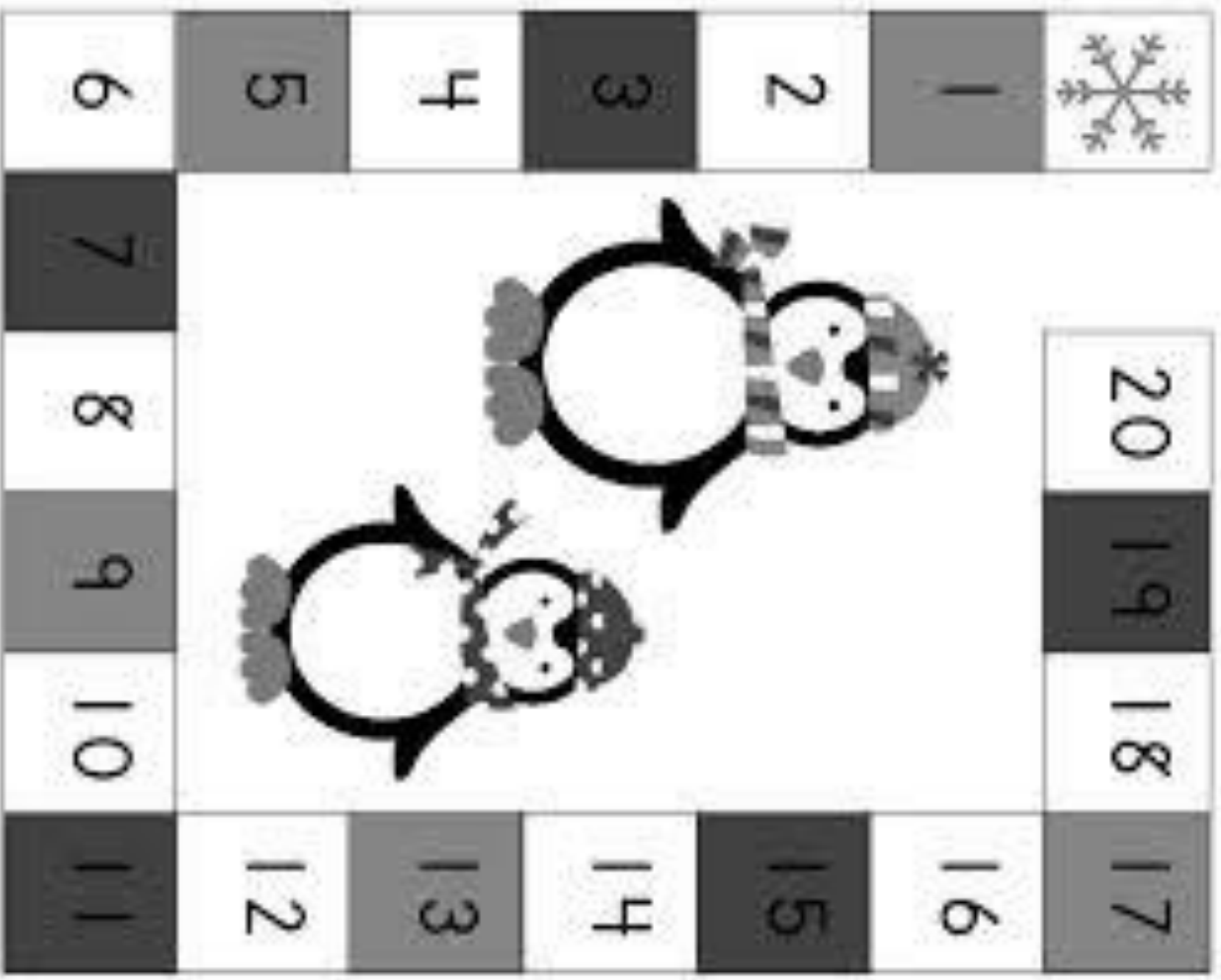
Block Pictures 100s



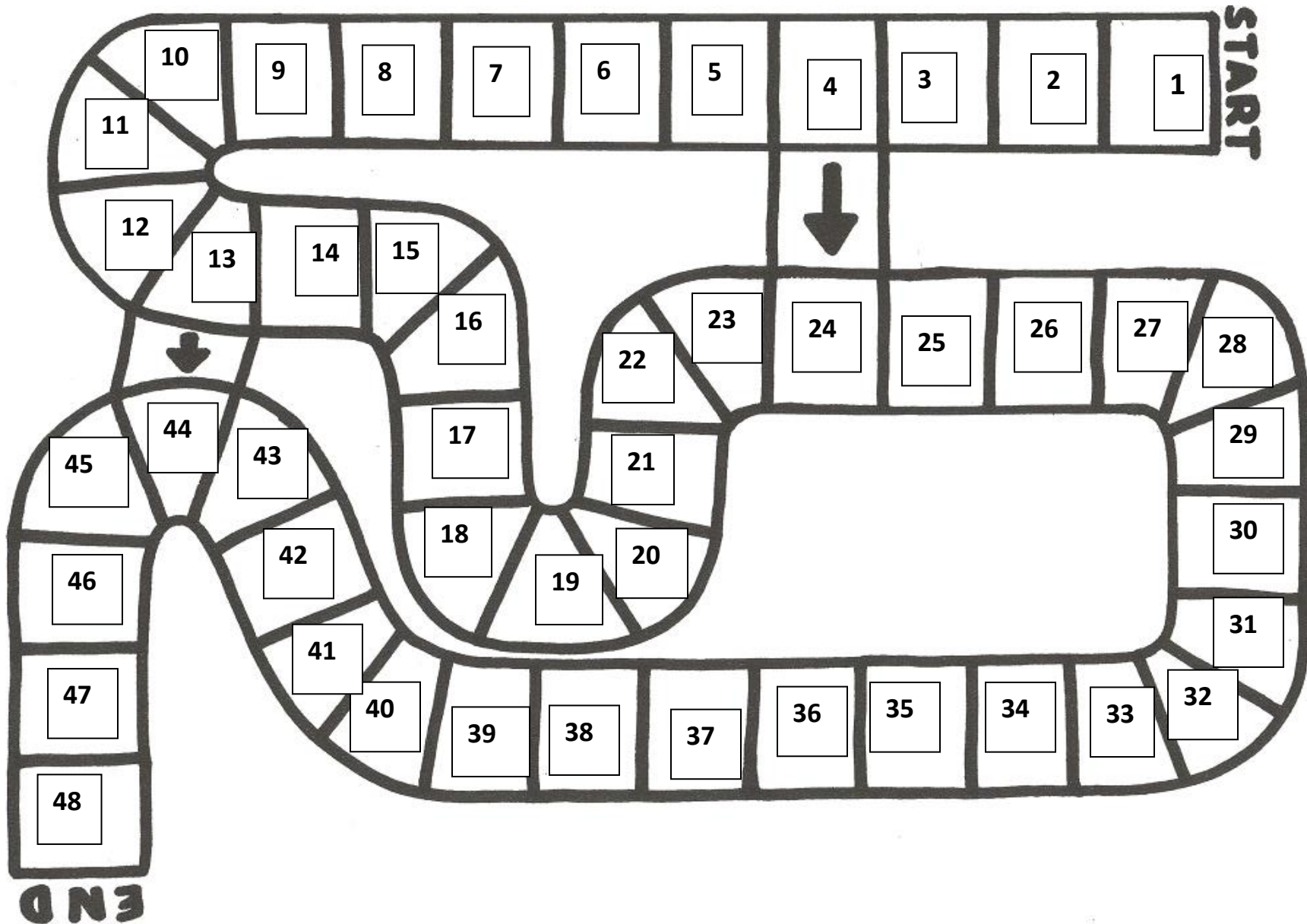
Blocks - thousands



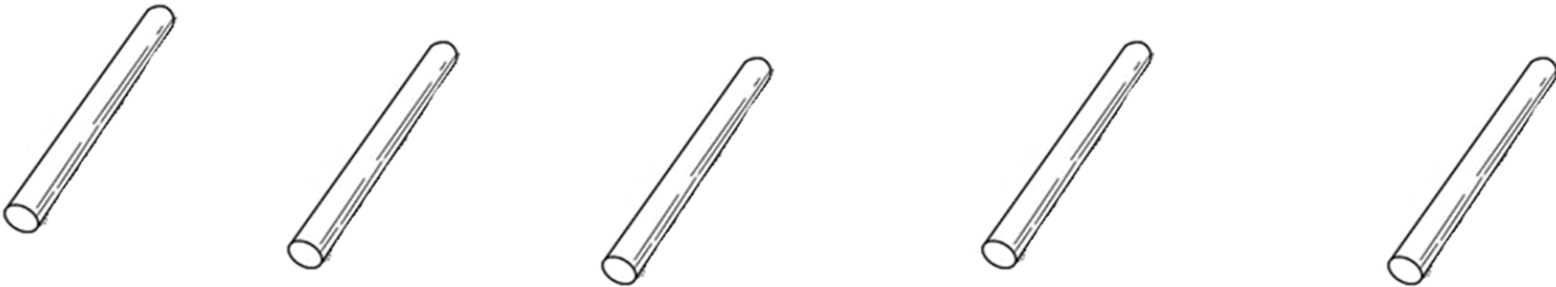
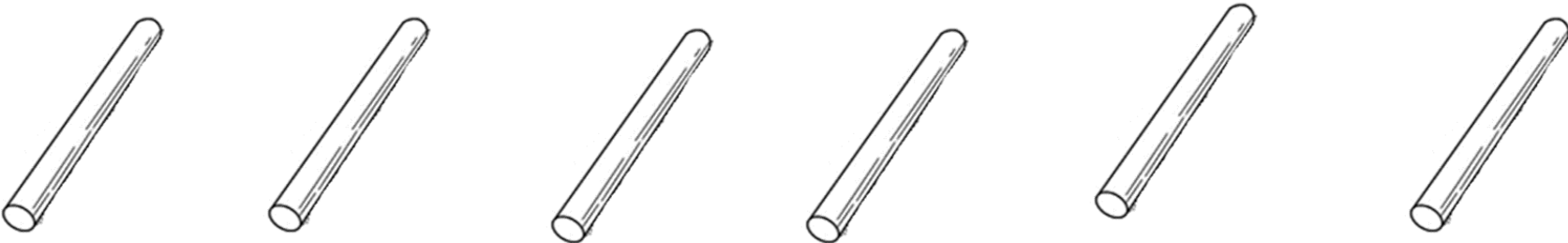
Board Game 1-20



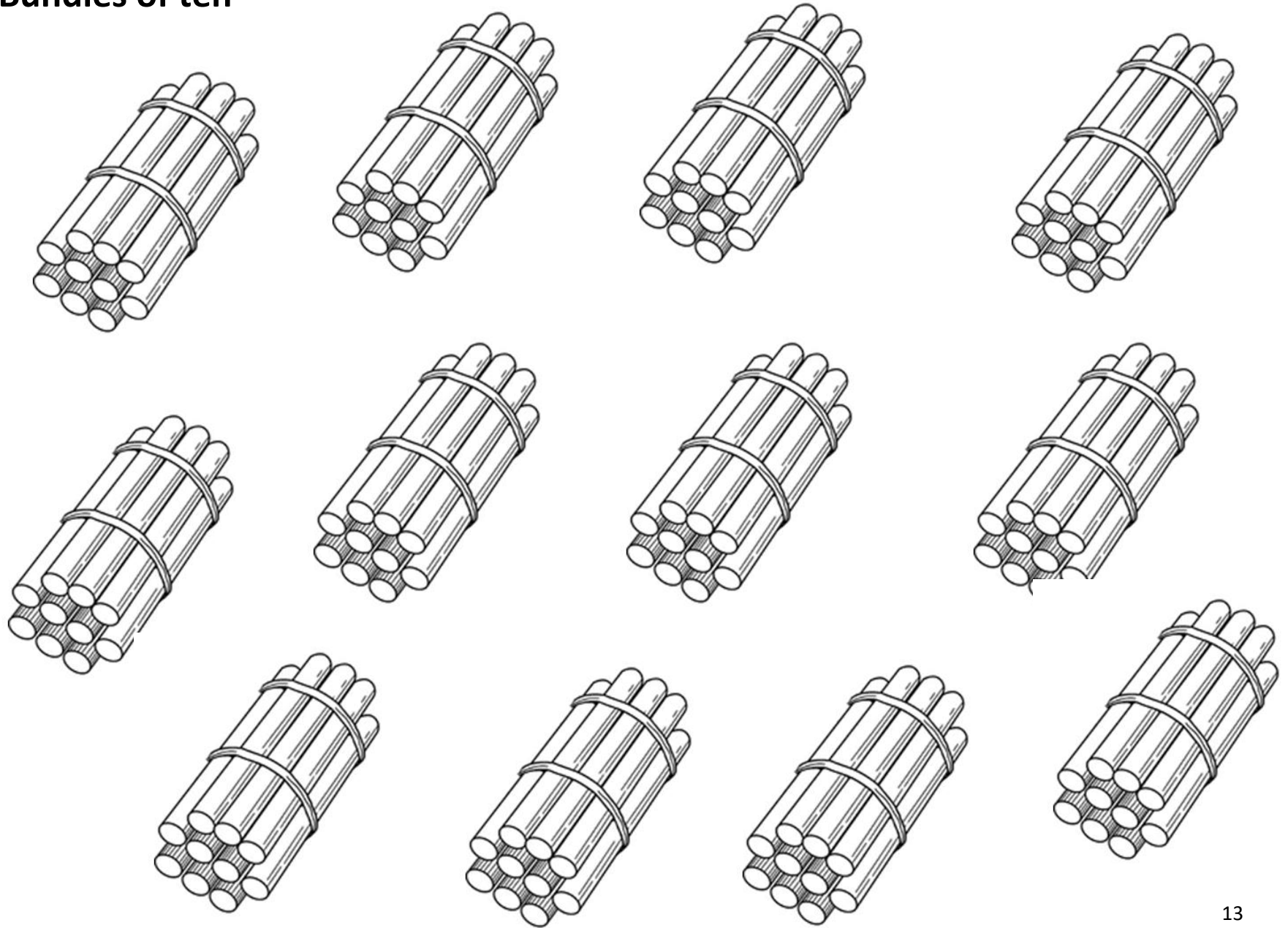
Board Game 1-48



Bundles of ten – single sticks



Bundles of ten



Dice Games

Simple addition

Each player takes turns to roll 2 dice.

They add the total of the 2.

The winner of each round gets a tick in the box.

At the end of 5 rounds, add up the number of ticks and see who has the most.

The one with the most ticks is the winner.

$2 + 2 = 4$	✓

Simple subtraction

The same as simple addition, but instead of adding, take the lowest number from the highest.

Whoever gets the lowest score for each round wins that round.

$6 - 3 = 3$	✓



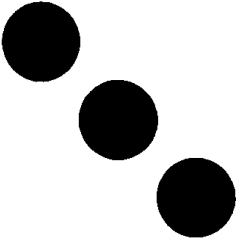
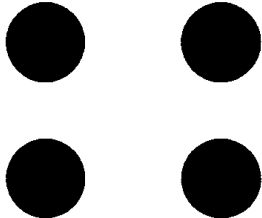
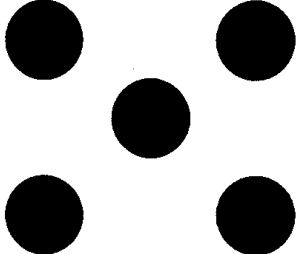
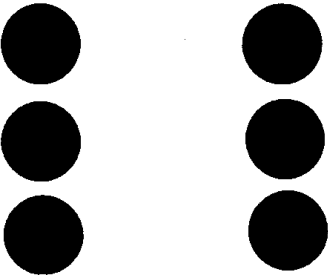
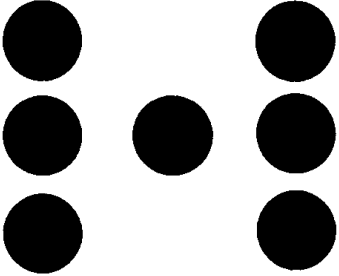
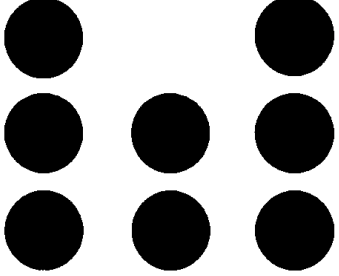
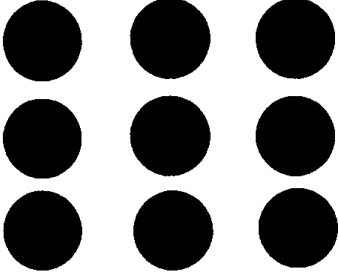
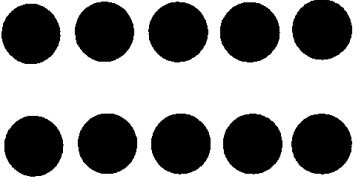
Running total addition

Who gets the highest score after 3 rounds? (or more)

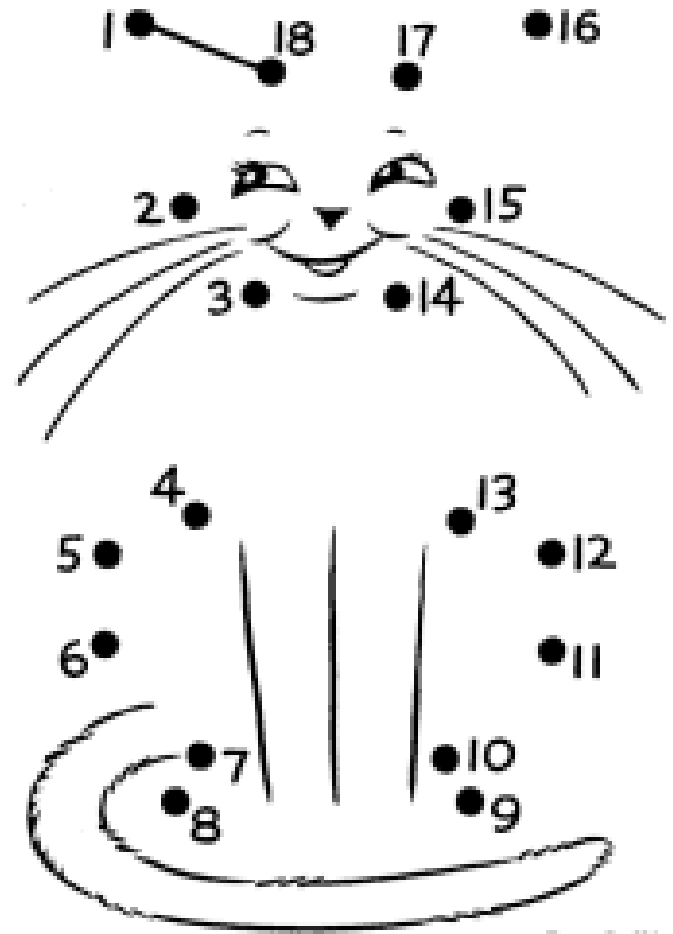
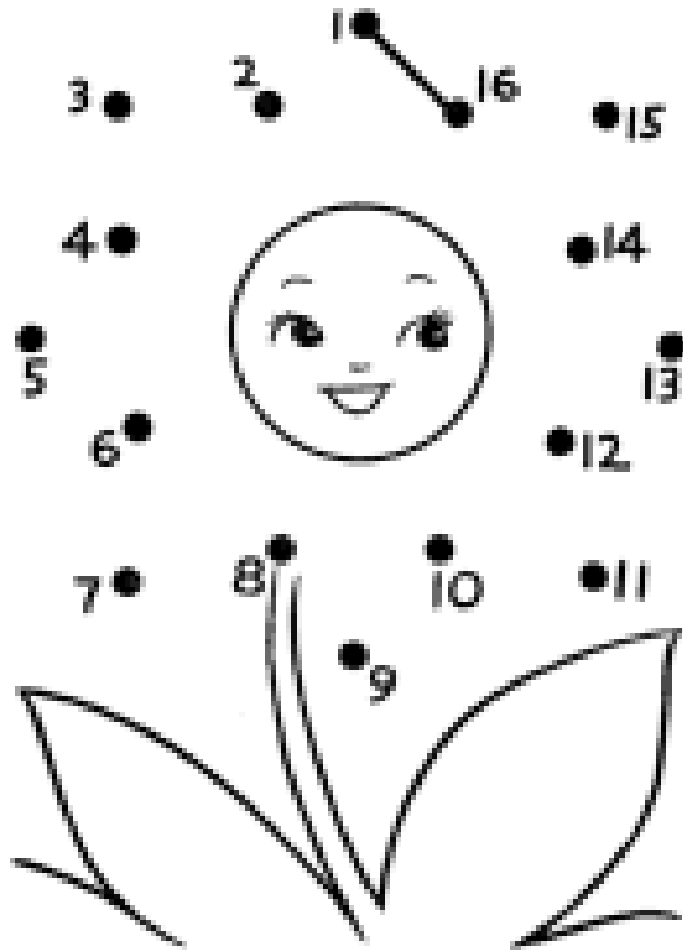
$5 + 6 = 11$	11
$3 + 5 = 8$	19
$4 + 5 = 9$	28

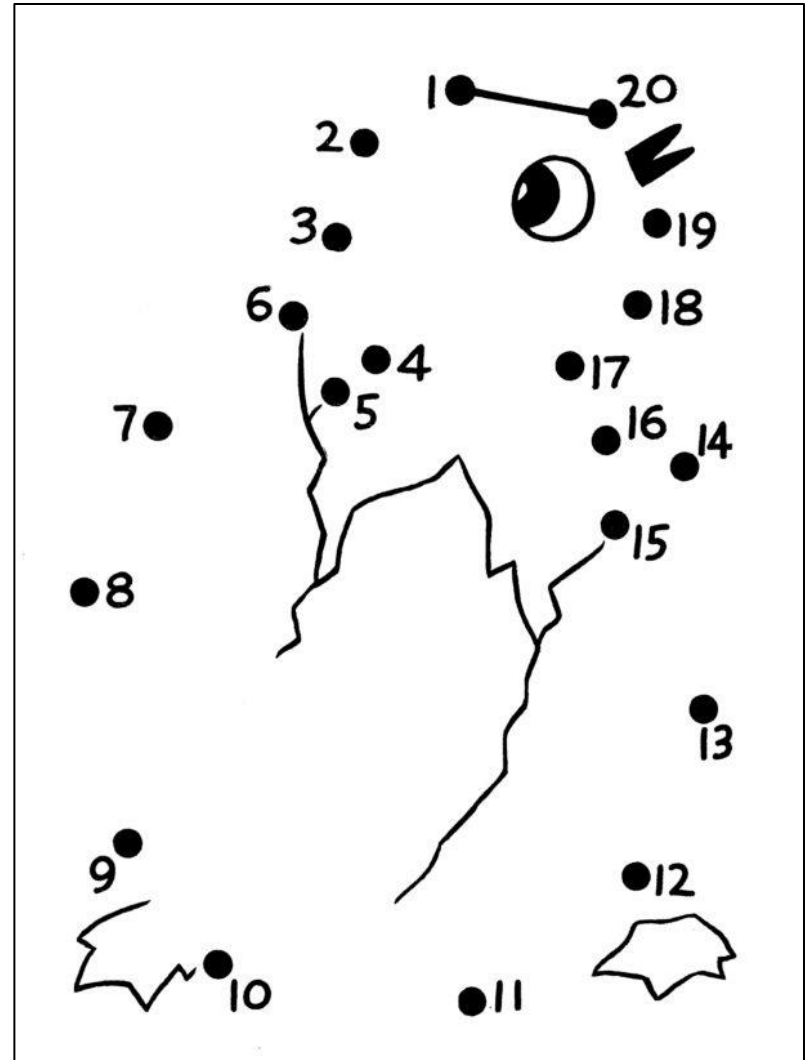
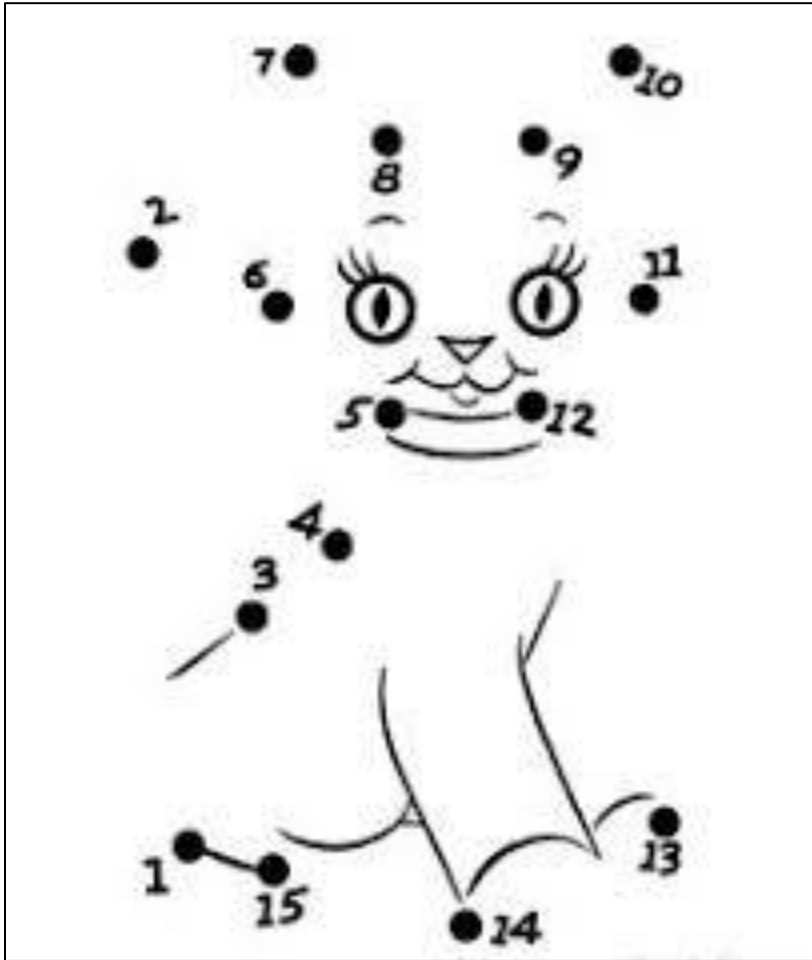
Dot Cards

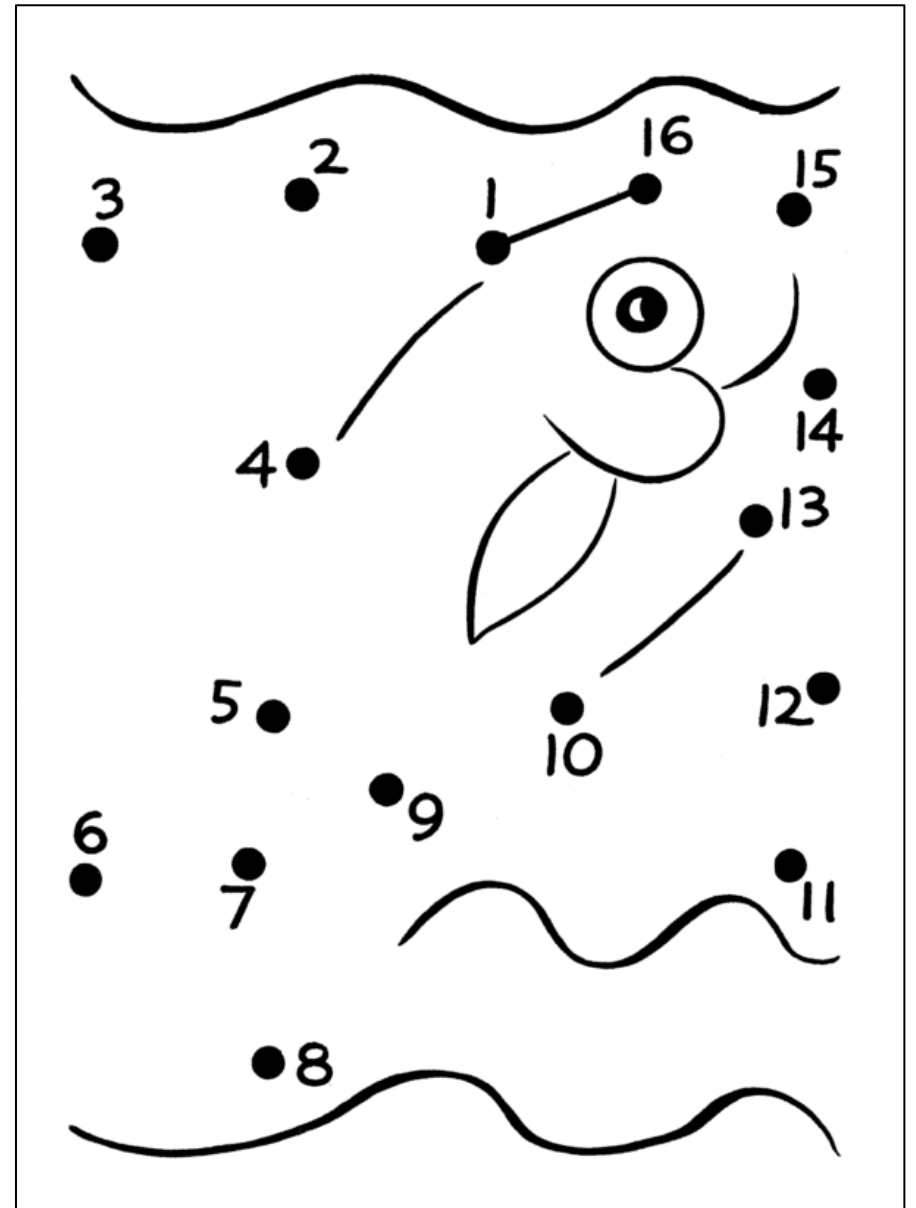
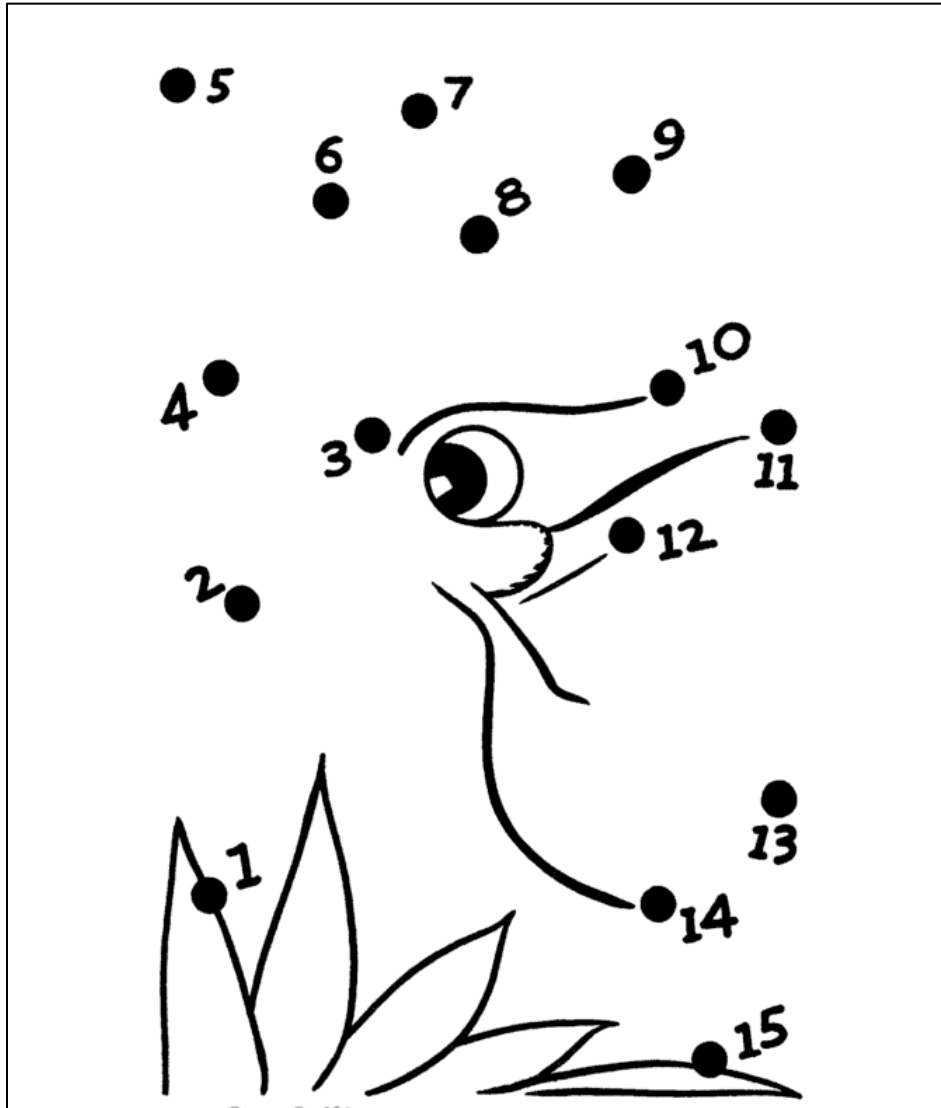
Copy onto card and cut up each square. Increase to A5 for larger cards.

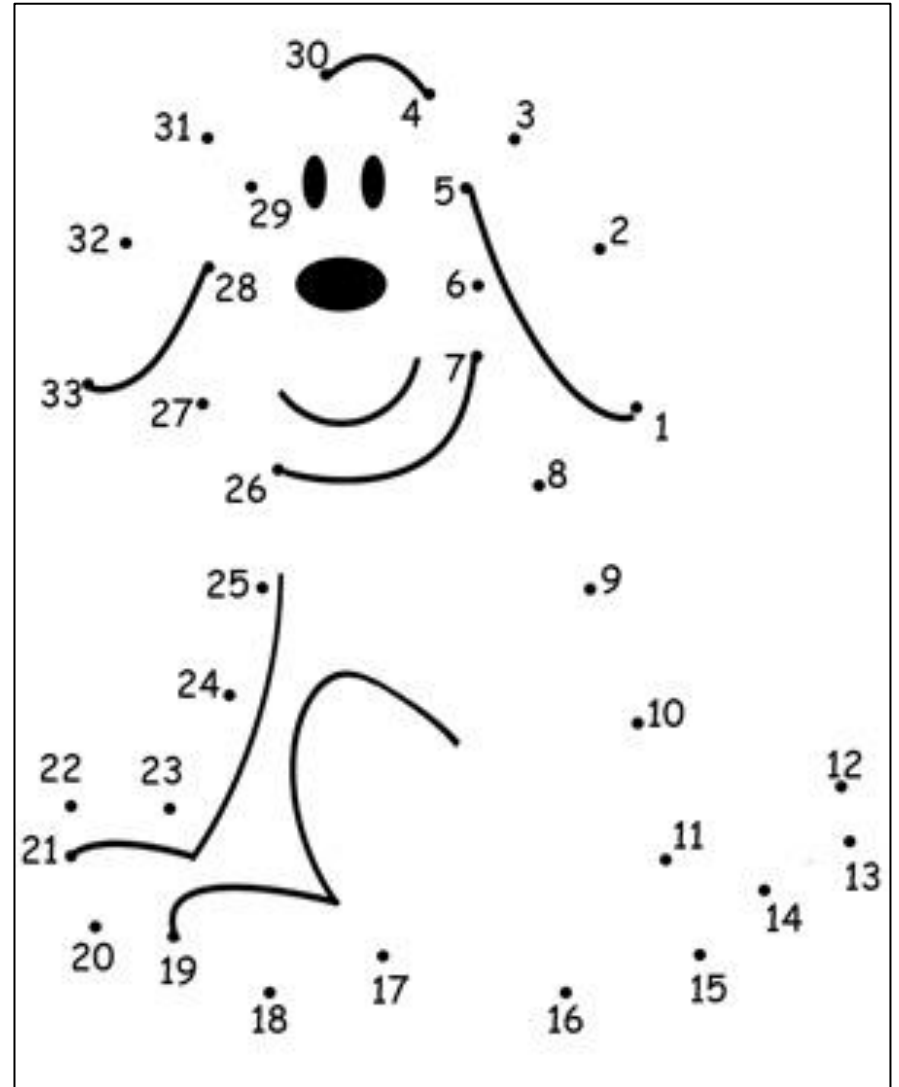
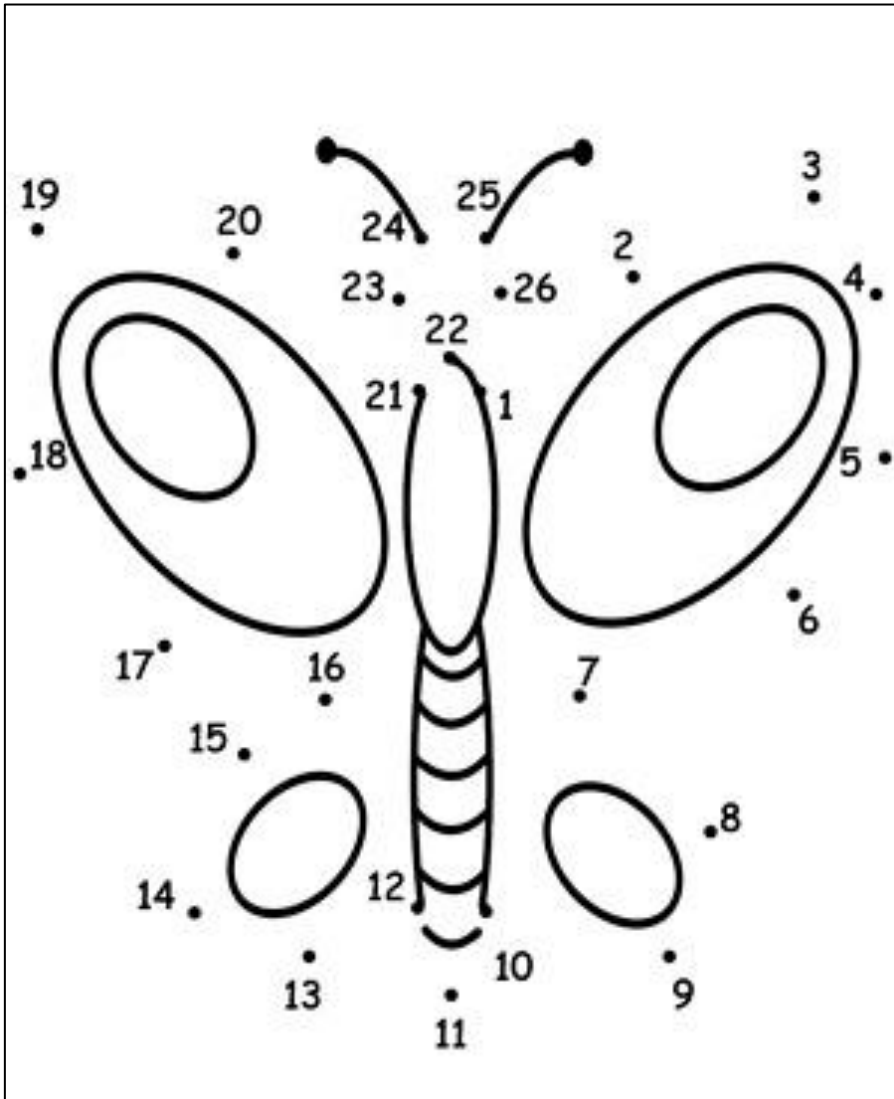
1	2	3	4	5
				
6	7	8	9	10
				

Dot to dot

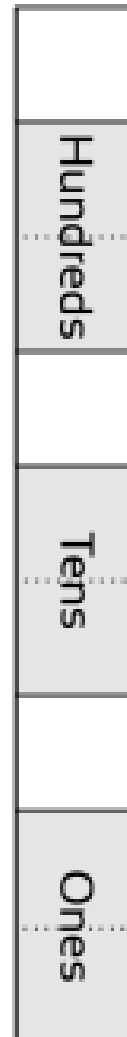
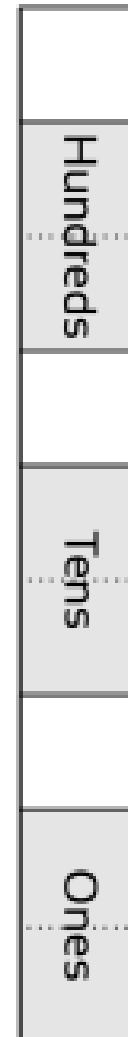








Expanders



Number chart 1 - 10

1	2	3	4	5
---	---	---	---	---

6	7	8	9	10
---	---	---	---	----

1	2	3	4	5
---	---	---	---	---

6	7	8	9	10
---	---	---	---	----

Number Chart 1 - 20

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Number Chart 1 – 50 (small)

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

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

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

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

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

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

Number Chart 1 – 60 (small)

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

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

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

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

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

Number Chart 101 - 200

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

Number chart 1-120 large

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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

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
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61	62	63	64	65	66	67	68	69	70
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81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
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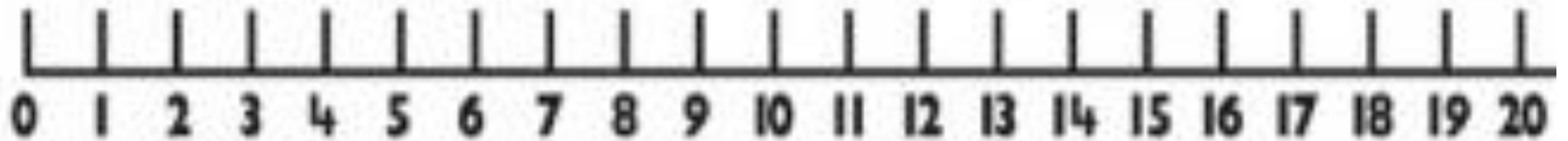
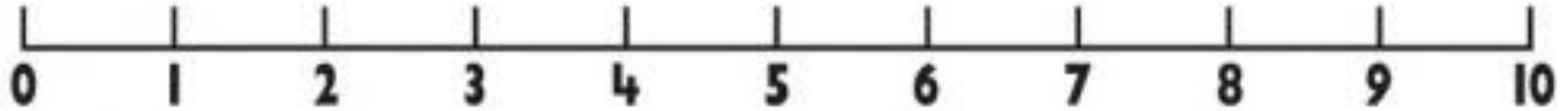
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451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
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491	492	493	494	495	496	497	498	499	500
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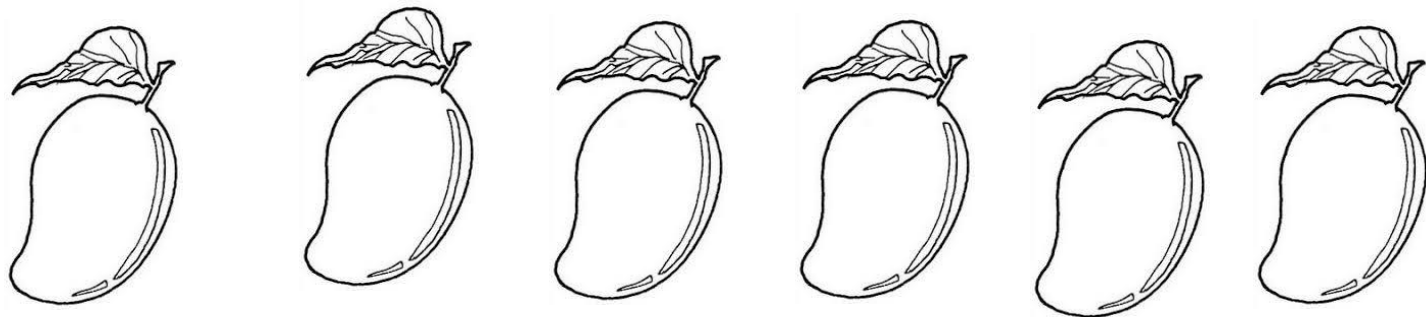
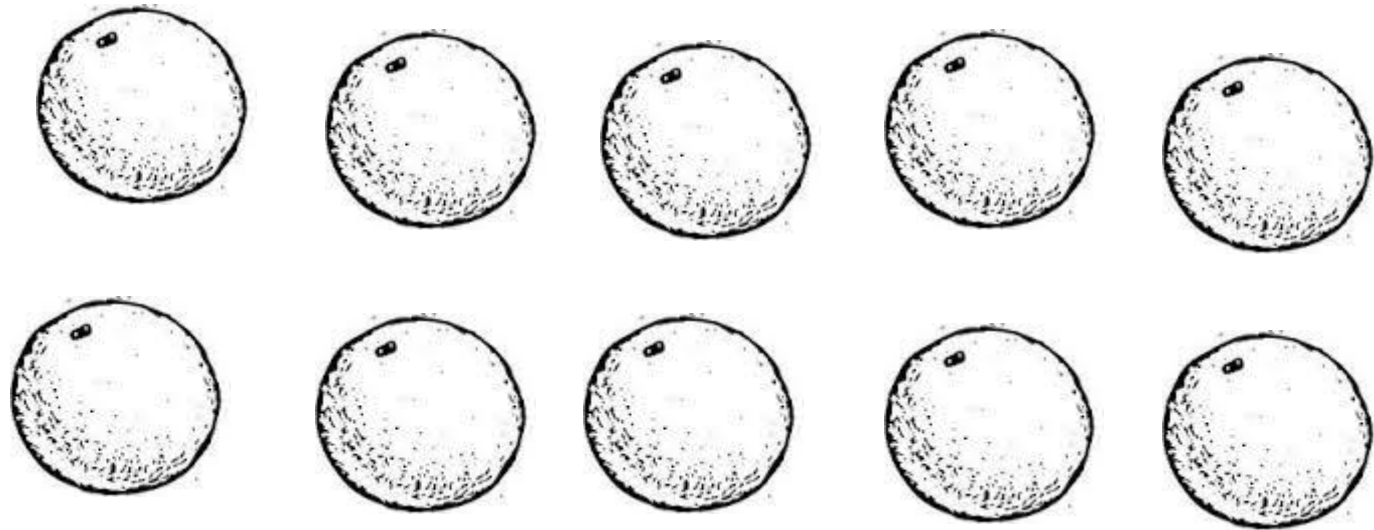
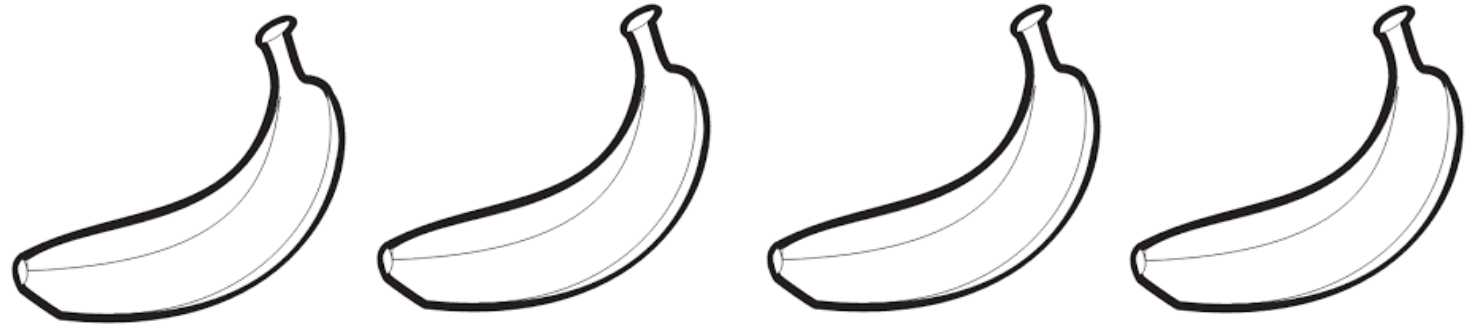
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791	792	793	794	795	796	797	798	799	800

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861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
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961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
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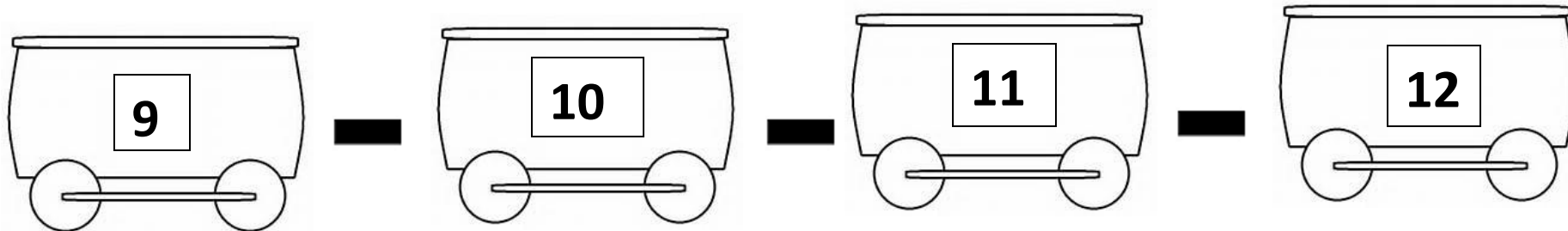
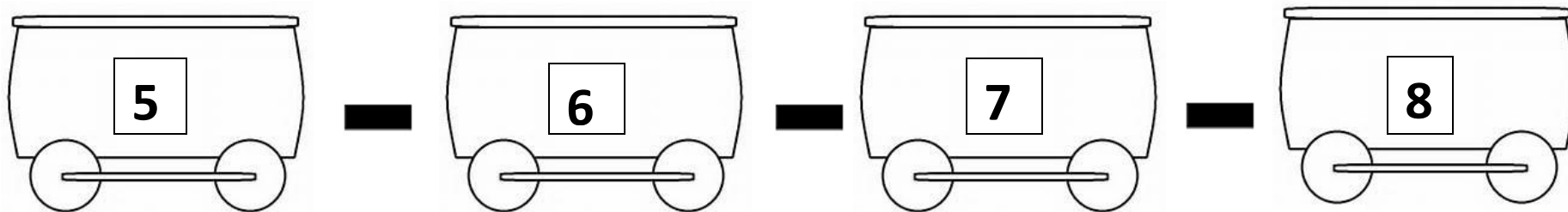
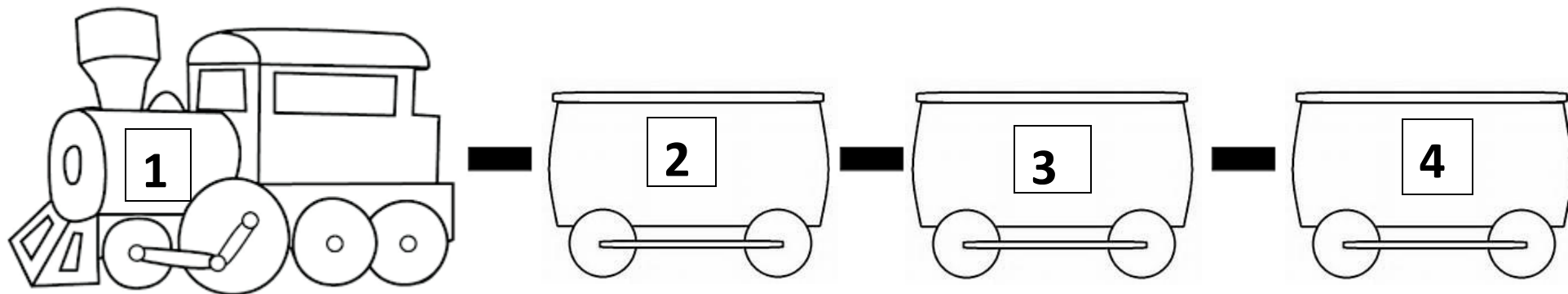
Number lines 1 - 10 and 1 - 20



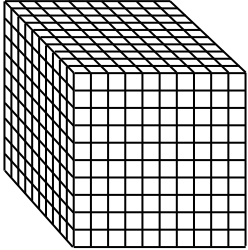
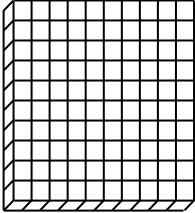
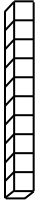

Pictures - fruit

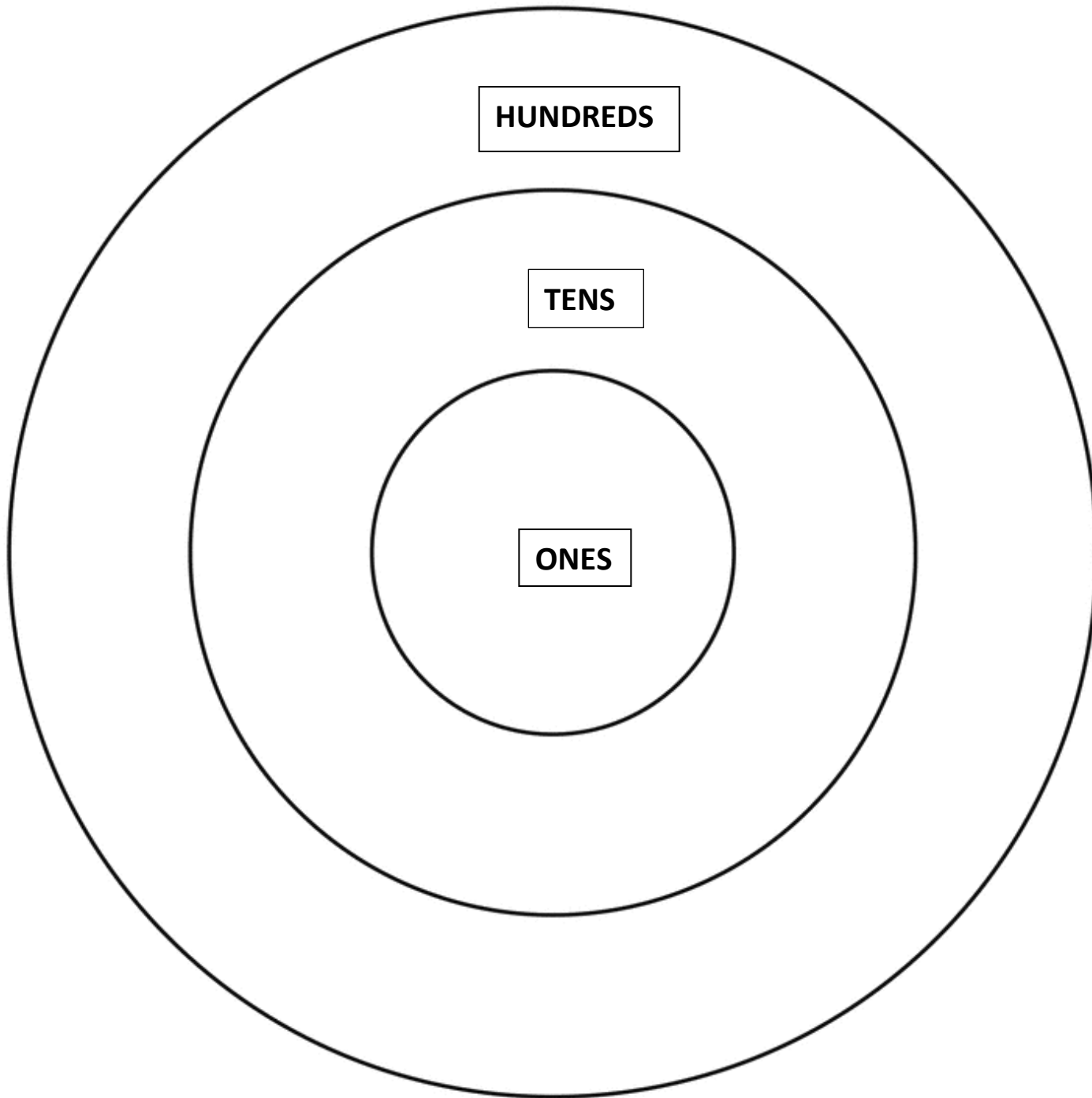


Pictures - trains



Place Value Chart (to thousands)



Place Value
Target board

Recipe for salt dough cookie counters

Ingredients:

1/3 cup salt

1/3 cup flour

Enough water to make a dough.

(Add water a little at a time and keep kneading to make a soft dough.)

To make balls:

Take one flat teaspoon of dough.

Roll it into a ball.

Cut the ball into 4 pieces to make quarters.

Roll each quarter piece into smaller balls.

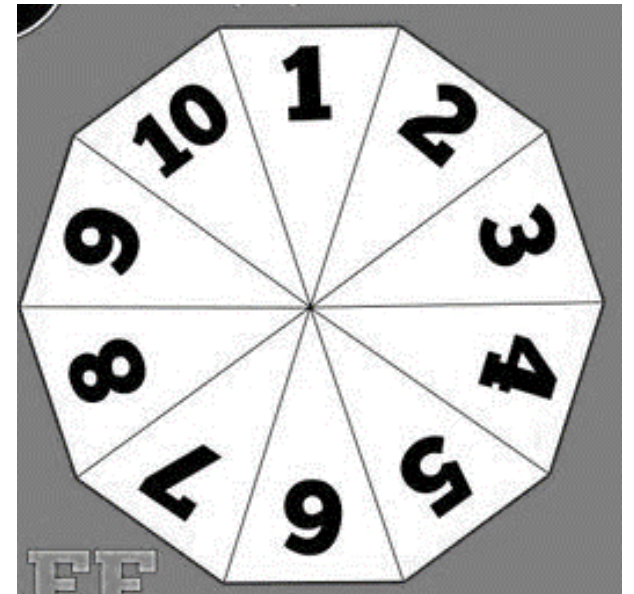
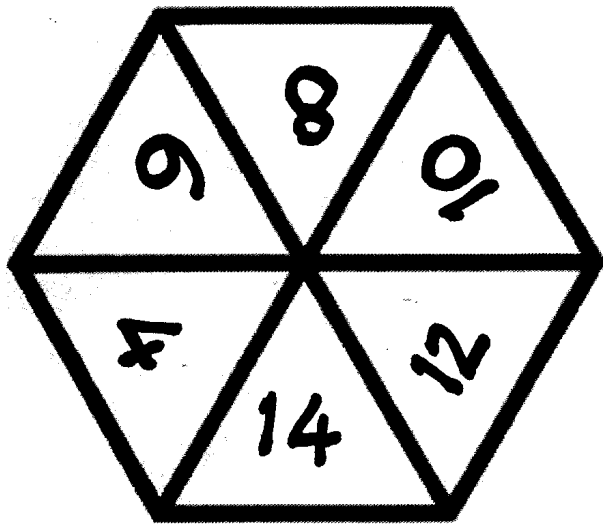
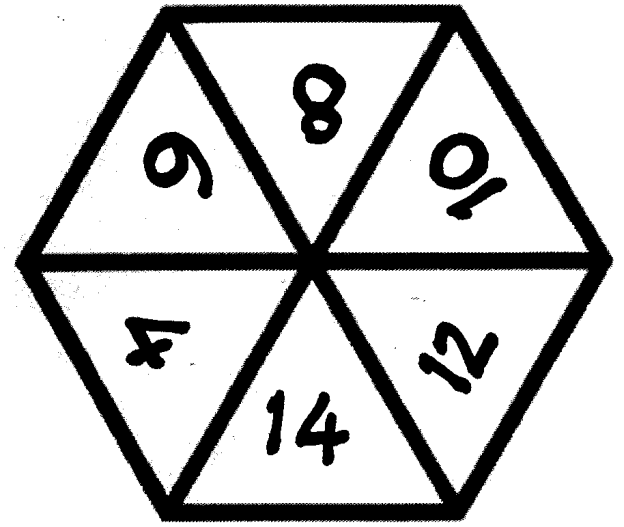
Place on cookie tray.

Flatten with a knife or fingers.

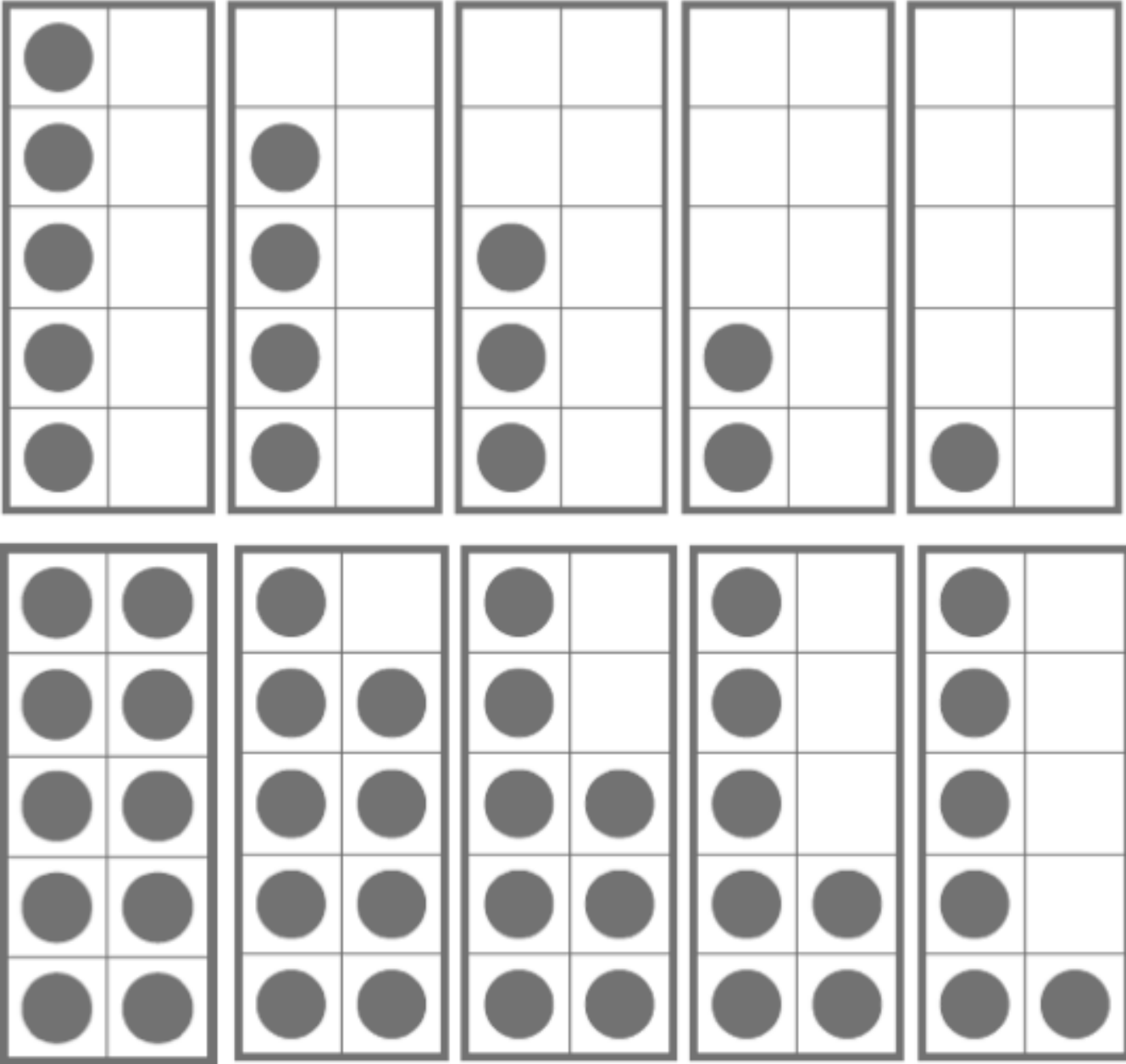
To make beads:

Use a straw to cut out a hole in the middle of each flattened ball.

Bake: 180 degrees for 10 minutes.

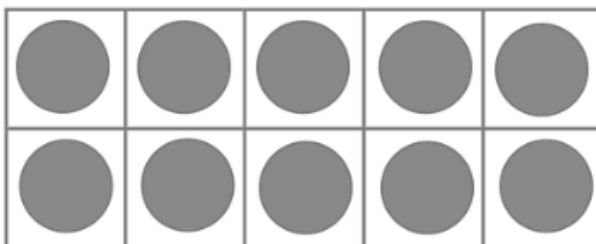
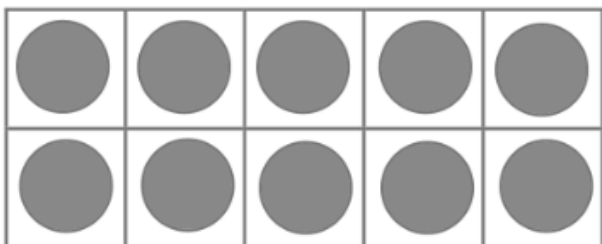
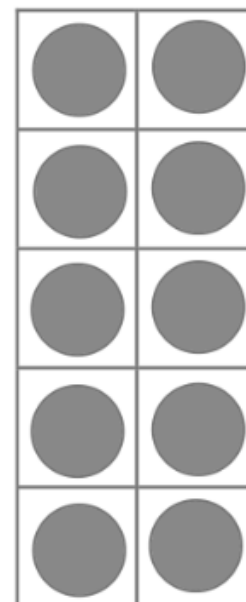
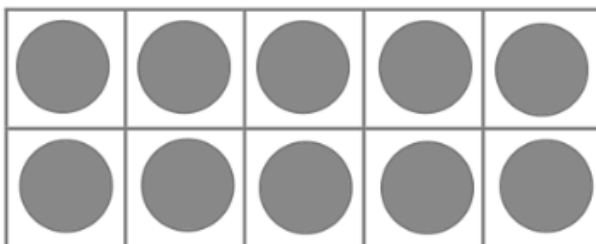
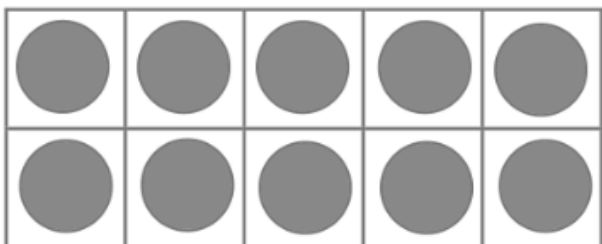
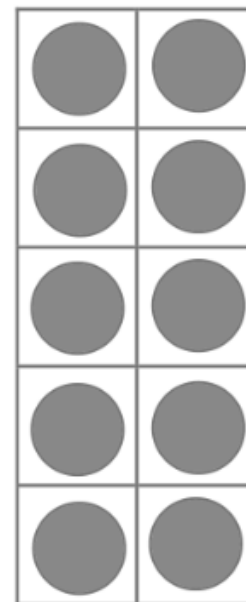
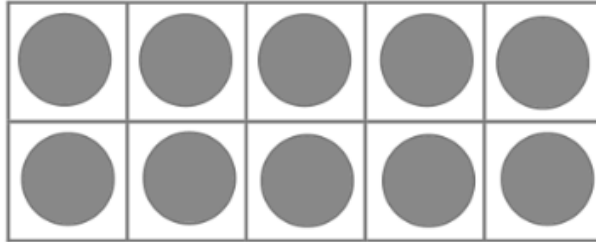
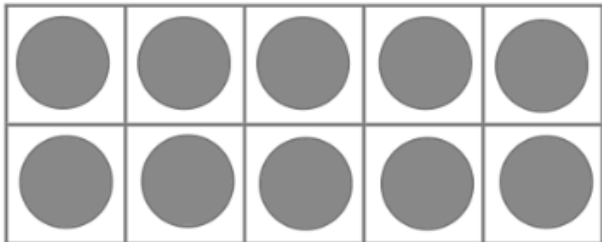


Tens Frames 1 - 10



Tens frames blank

Ten Frames with ten dots



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

Times Tables
Grid

Word chants and counting rhymes

Even & odd numbers word chant (or sing to tune of Frere Jacques)

Even numbers, even numbers
End in these, end in these
2 4 6 8 zero, 2 4 6 8 zero
End in these, end in these

Odd number, odd numbers
End in these, end in these
1 3 5, 7 9
End in these, end in these

2,4,6,8

2, 4, 6, 8
10 mangoes on a plate

Fish Alive

1, 2, 3, 4, 5,
Once I caught a fish alive,
6, 7, 8, 9, 10,
Then I let it go again.
Why did you let it go?

One, Two Buckle My Shoe

One, two buckle my shoe
Three, four knock on the door
Five, six pick up sticks

One potato, two potato

One potato, two potato
Three potato, four,
Five potato, six potato,
Seven potato, more!
Eight potato, nine potato
Now we're up to ten
Eleven potato, twelve potato
Time to start again

1. Ten little caterpillars (to tune of 10 Little Indians)

One little, two little, three little caterpillars
Four little, five little, six little caterpillars,
Seven little, eight little, nine little caterpillars
Ten caterpillars on a leaf.

Up in the tree there sits a birdie
Up in the tree there sits a birdie
Here comes birdie looking for caterpillars
Ten caterpillars on a leaf.

Ten little, nine little eight little caterpillars
Seven little six little, five little caterpillars
Four little, three little, two little caterpillars
One caterpillar..., now no caterpillars on a leaf.