GRADE 4 MATH SUMMER CHOICE BOARD

Directions: Complete 2 activities per week to practice your math this summer!

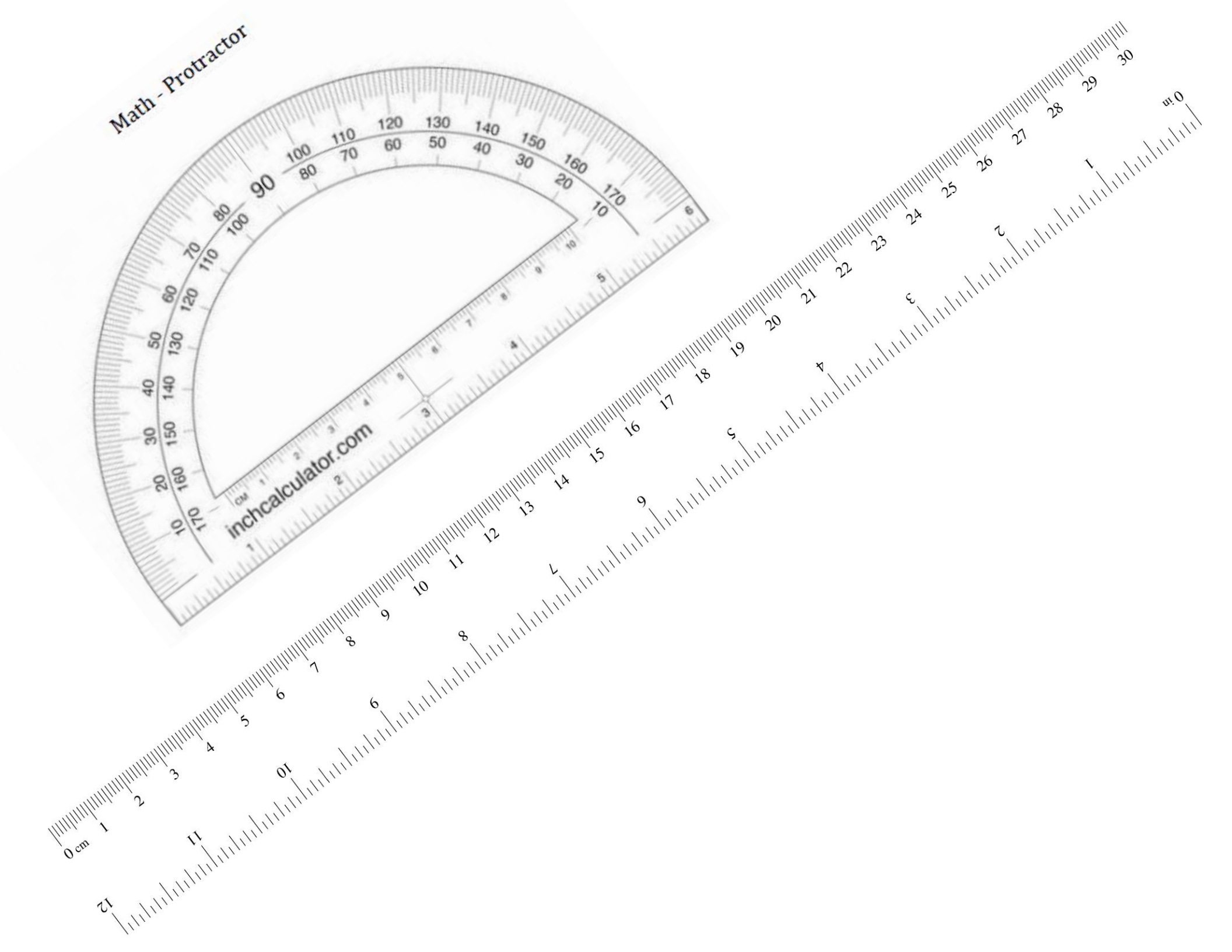
Number	Addition & Subtraction	Multiplication & Division	Measurement	Geometry & Data
#1 Turn the digit cards attached upside down. Choose a card and record it, in a place value on the attached place value chart. Once you have a number, write the number in words and expanded notation.	**#1** Look through the house to find 10 decimals (prices on items, ounces in containers - shampoo, soap, lotion, etc). Create 5 different **addition** problems and solve them.	**#1** Figure out how many pieces of cereal fit on a spoon. Determine how many pieces of cereal would fit on ALL the spoons in your house. Write a multiplication equation and solve it.	**#1** Make a paper chain to hang in your room. Cut strips of paper and then loop one into a circle, glue. Then, attach another circle through that one and continue. Use the ruler to measure the chain in feet and inches.	**#1** Looking at a room in your house, sketch out items that have parallel and perpendicular lines. Notate parallel lines using the chevrons and perpendicular with the square in the corner.
#2 Represent the following decimals using the grids attached. **0.4, 0.2, 0.23, 0.40, 0.07, 0.8**	**#2** Using characters from a story you have read, create a math story problem involving **both** addition & subtraction up to 1,000. Write the story, the equation, and solve it.	**#2** If each pair of socks cost $3, how much did all of your socks cost?	**#2** Using a ruler, only measure the length and width of a table. Determine the perimeter without measuring all the sides.	**#2** Create a profile for each of the following shapes. Include a picture, their attributes, which shapes they have attributes in common with. - Isosceles triangle - Scalene triangle - Equilateral triangle Include the following words in the profiles: - Parallel sides - Perpendicular - Acute angles - Obtuse angles - Right angles
#3 Using the digit cards attached, play with a partner. Each person chooses 2 cards to create a fraction. Compare the fractions, whoever has more gets a point. Play until someone gets 20 points.	**#3** How much older is an adult in your household than you? Create an input output table to document your age and their age. How old will they be when you are 13? 27? When you are their age? Write a rule to represent the situation.	**#3** Look at a box of cereal or another food item in your pantry. Determine how many ounces or pounds are in the item. Ask an adult or research how much the item costs. Then, determine how much each pound or ounce costs.	**#3** Using a ruler, measure the perimeter of 5 different rectangular items (bed, room, table, door, desk, etc.). Did you find ways to take shortcuts on the measuring?	
#4 Using the digit cards attached, pull 4 cards and arrange them into 2 different fractions. Write the fractions and compare the fractions. Explain how you know which fraction is larger or if they are equivalent.	**#4** Create a poster or presentation, including a script explaining how to add and subtract fractions with common denominators. Include visuals to prove your point.	**#4** Ask an adult to bake cookies with you. If they cannot make cookies then draw them. If you have 24 cookies and everyone in your house gets the same amount, how many will each person get? Explain what happened to the extra cookies if there were any.	**#4** Look at the clock right now. Jot down the time. If you are going to spend one hour and 54 minutes watching a move, what time would it be when the movie was over?	**#3** Jump 4 times every minute. Keep track of how many times you jump over 10 minutes. Create an input output table and write a rule to represent the situation. Determine how many times you would jump after 22 minutes and after 45 minutes.
#5 Put 10 items (small toys or pieces of cereal) in a cup. Pull out some. That represents your fraction __ out of 10. Represent your fraction and write it as a decimal. Do this for 5 times.	**#5** Look through the house to find 10 decimals (prices on items, ounces in containers - shampoo, soap, lotion, etc). Create 5 different **subtraction** problems and solve them.	**#5** Using characters from a story you have read, create a math story problem involving at least 3 of the four operations (+,-,×,and/or ÷). Write the story, the equation, and solve it.	**#5** Throughout the day, write down the times you start and stop different activities. Determine how long you did each activity.	**#4** Look at 20 different movies run time (Netflix, DVDs, Google, etc.) Collect all the data and then create a stem and leaf plot of all the times of the movies.

Math - Digit Cards

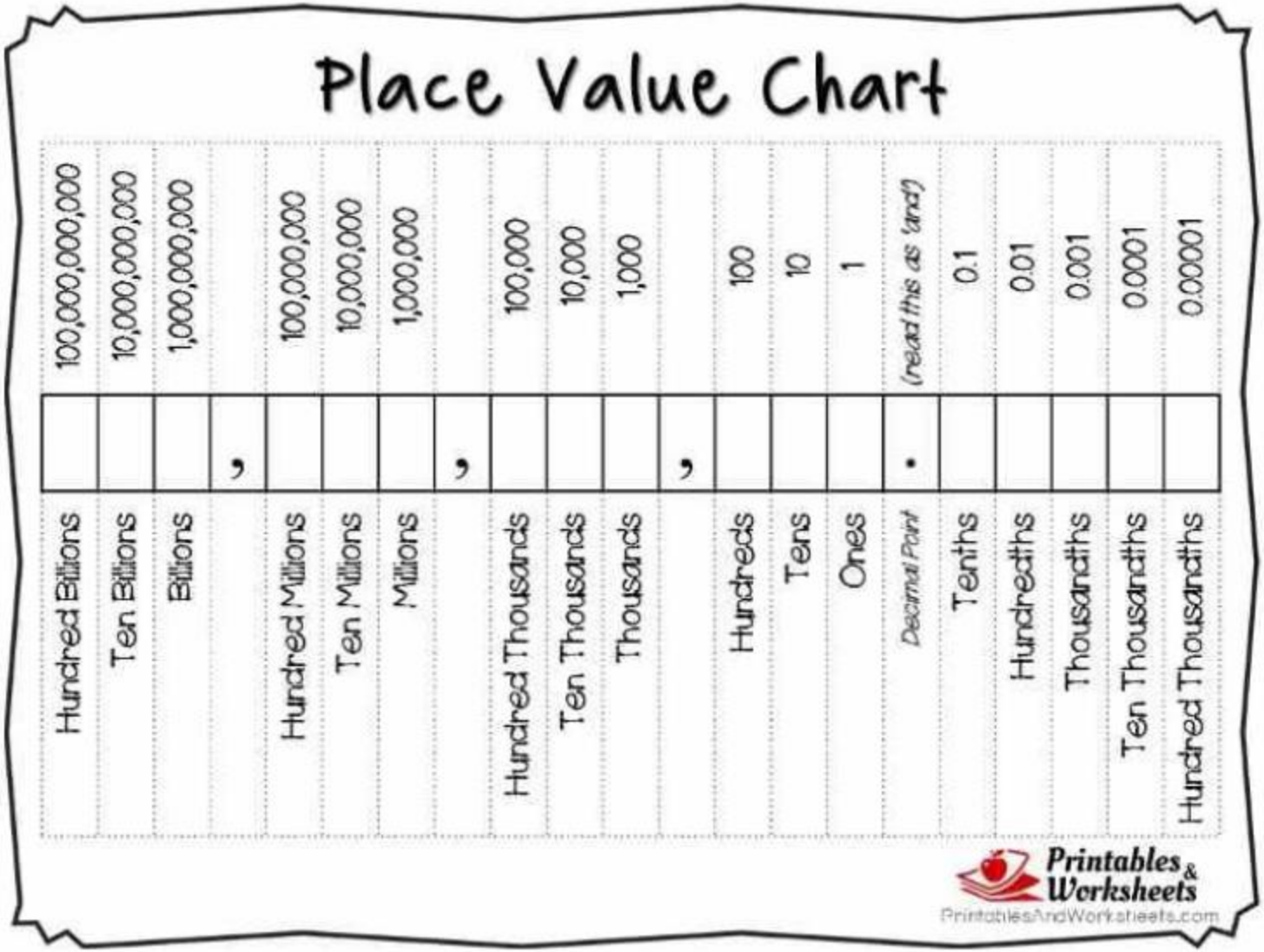
0	1	2	3	4
5	6	7	8	9

0	1	2	3	4
5	6	7	8	9

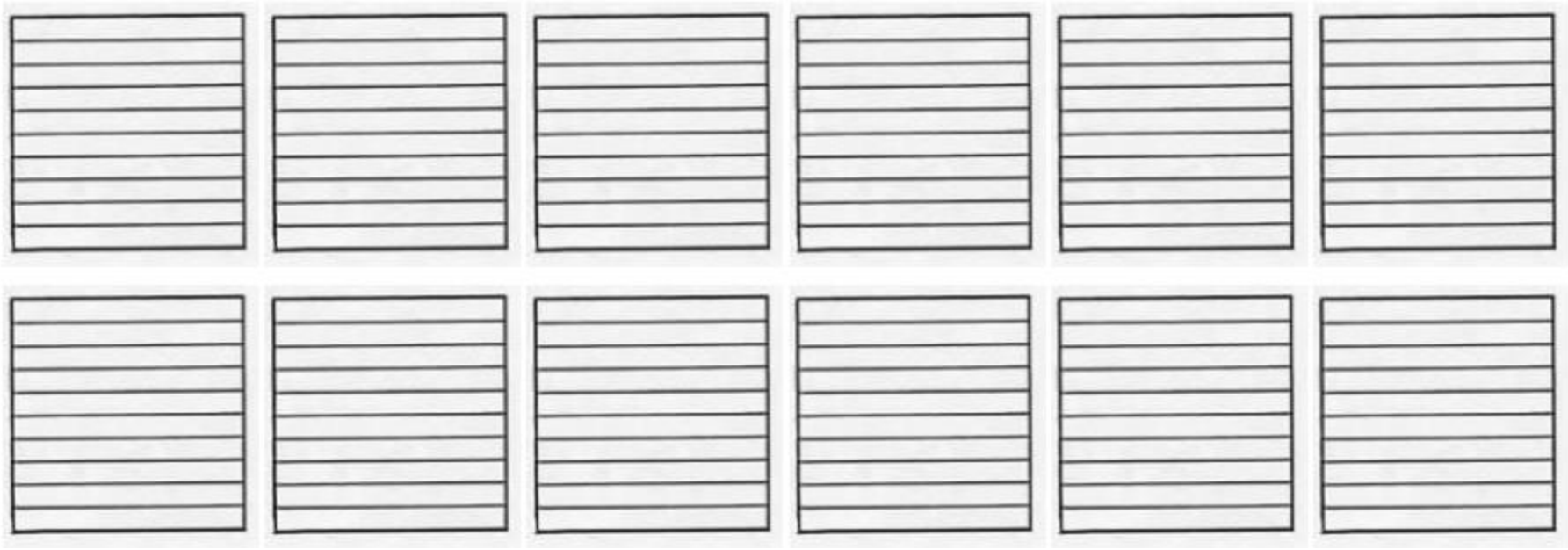
Math - Protractor



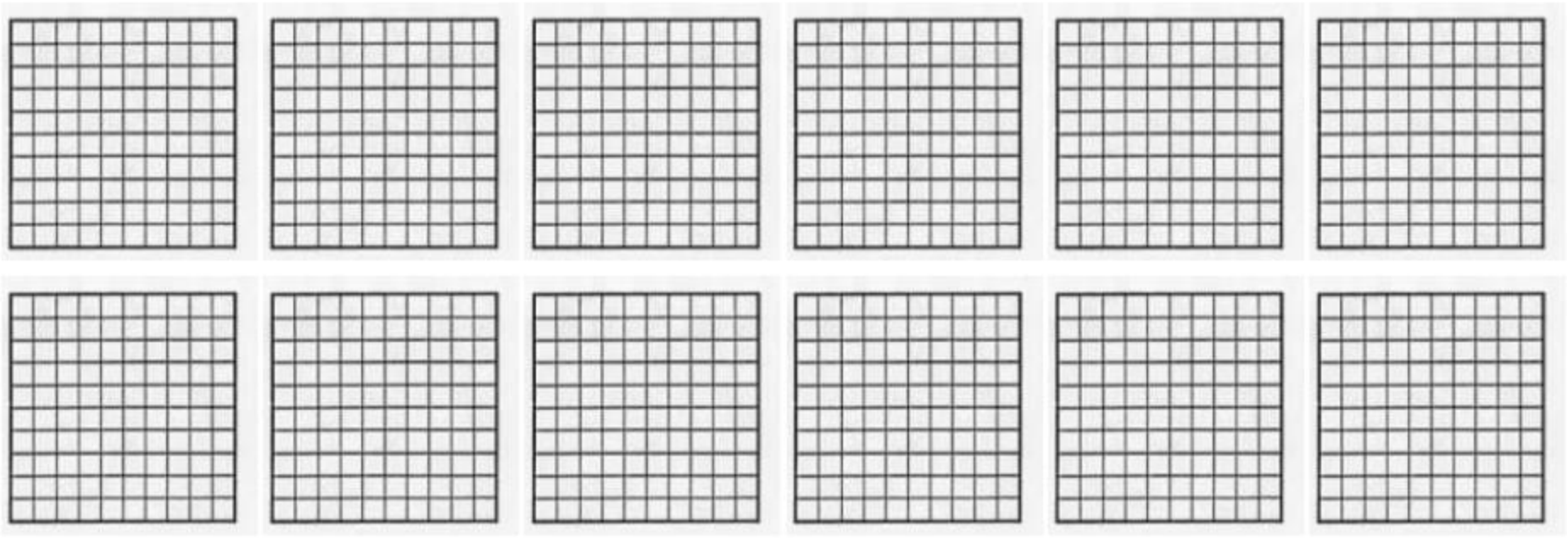
Math - Place Value Chart



Math Decimal Grids (Tenths) - How many out of 10 pieces



Math - Decimal Grids (Hundredths) - How many out of 100 pieces



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

Math - Multiplication Chart

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100