

Math Reference Sheets



Review

Math Reference Chart

Multiplication Chart

X	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
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
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

Place Value

Millions	Thousands	One's	Decimals
Ten Millions	Ten Thousands	Ten's	Ten Thousandths
Hundred Thousands	Hundred's	Hundredths	Hundred Thousandths

Formulas

Perimeter: $\text{length} + \text{length} + \text{width} + \text{width}$

Area: $\text{Length} \times \text{width}$

Volume: $\text{Length} \times \text{width} \times \text{height}$

Coordinates (x, y)

Order of Operations

- Exponents & Parenthesis (left to right)
- Multiplication & Division (left to right)
- Addition & Subtraction (left to right)

Metric System

King: 10^3 (kilo) Henry: 10^2 (hecto) David: 10^1 (deca) Charles: 10^0 (base) Mike: 10^{-1} (deci) Bob: 10^{-2} (centi) Ann: 10^{-3} (milli)

Fraction: $\frac{\text{Numerator (part)}}{\text{Denominator (whole)}}$

Estimating/Rounding

Same: 0, 1, 2, 3, 4

Less Than <: 5, 6, 7, 8, 9

Greater Than >: 5, 6, 7, 8, 9

Equal to =: 5, 6, 7, 8, 9

Time

1h	60m	3600s
1m	60s	60000ms
1d	24h	1440m
1w	7d	168h
1mo	30d	720h
1yr	12mo	365d

Money

100¢	\$1.00
50¢	\$0.50
25¢	\$0.25
10¢	\$0.10
5¢	\$0.05

Math Reference Charts are something that I've used in my Special Education Resource Room for at least 10-15 years. It's a great compilation of necessary math information for students. It allows my students to use this in their general education classroom and be successful, as we are still working on basic math facts in our small groups. It gives them the encouragement they need. I encourage my students to keep one chart in their math folder in my room, one in their classroom math folder, and one at home. Many classroom teachers have also provided it in their classroom, not only for my students, but for the entire class as well. I also keep many copies in my room. I hope you find this as useful as I do!



In this product you have:

- 2 Math Reference Pages
 - 1 for primary elementary
 - 1 for upper elementary
- 4 Place Value Charts
 - 2 With and without decimals
 - 2 Color and black/white
- 6 Number lines with and without finger counter guides
 - 2 to 10
 - 2 to 20
 - 2 to 30
- 4 Hundreds Charts regular and with outlined:
 - Tens
 - Even numbers
 - 's
- 2 Multiplication chart, color and black and white
- 2 Fraction visual, color and black and white
- 2 Skip Counting Charts, color and black and white
- 2 Money charts, color and black and white
- 2 Key Words in Word Problems in color and black and white
- 20 Smaller Reference Charts:
 - 11 in black and white
 - 9 in color

Math Reference Chart

Multiplication Chart

X	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
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
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

Place Value

Millions		Thousands			Ones			Decimals				
Hundred Million	Ten Million	Million	Hundred Thousand	Ten Thousand	Thousand	Hundred	Ten	One	Tenths	Hundredths	Thousandths	Ten-Thousandths

Formulas

Perimeter	add all sides
	lengths + length + width + width
Area	Length x Width
Volume	Length x Width x height

Coordinates (x, y)

Metric System

King	Henry	Doesn't	Usually	Drink	Chocolate	Milk
kilo-	hecto-	deka-	[Unit]	deci-	centi-	mili-

Fraction	Numerator (part)
	Denominator (whole)

Order of Operations

1. Exponents & Parenthesis (left to right)
2. Multiplication & Division (left to right)
3. Addition & Subtraction (left to right)

Math Reference 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

Word Problems ~ Key Words

Addition +	sum, total, plus, altogether, in all, increase, more, combine, both
Subtraction -	remainder, left, difference, minus, less than, fewer, remains, take away, how many more, how much more, more than
Multiply x	product, times, twice, total, each, multiply by
Division ÷	quotient, goes into, split equally, each

Even	Odd
0, 2, 4, 6, 8	1, 3, 5, 7, 9

Estimating / Rounding	
Same	0, 1, 2, 3, 4
Add One	5, 6, 7, 8, 9

Penny	1¢	\$0.01
Nickel	5¢	\$0.05
Dime	10¢	\$0.10
Quarter	25¢	\$0.25

Skip Counting

2's	2-4-6-8-10-12-14-16-18-20-22-24
3's	3-6-9-12-15-18-21-24-27-30-33-36
4's	4-8-12-16-20-24-28-32-36-40-44-48
5's	5-10-15-20-25-30-35-40-45-50-55-60-65
6's	6-12-18-24-30-36-42-48-54-60-66-72
7's	7-14-21-28-35-42-49-56-63-70-77-84
8's	8-16-24-32-40-48-56-64-72-80-88-96
9's	9-18-27-36-45-54-63-72-81-90-99-108
10's	10-20-30-40-50-60-70-80-90-100-110-120
11's	11-22-33-44-55-66-77-88-99-110-121-132
12's	12-24-36-48-60-72-84-96-108-120-132-144

Place Value Chart

					hundred-million	millions
					ten-million	
					million	
					hundred-thousand	thousands
					ten-thousand	
					thousand	
					hundreds	ones
					tens	
					ones	
●	●	●	●	●	●	
					tenths	Decimals
					hundredths	
					thousandths	
					ten-thousandths	

Place Value Chart

					hundred-million	millions
					ten-million	
					million	
					hundred-thousand	thousands
					ten-thousand	
					thousand	
					hundreds	ones
					tens	
					ones	
●	●	●	●	●	●	
					tenths	Decimals
					hundredths	
					thousandths	
					ten-thousandths	

Place Value Chart

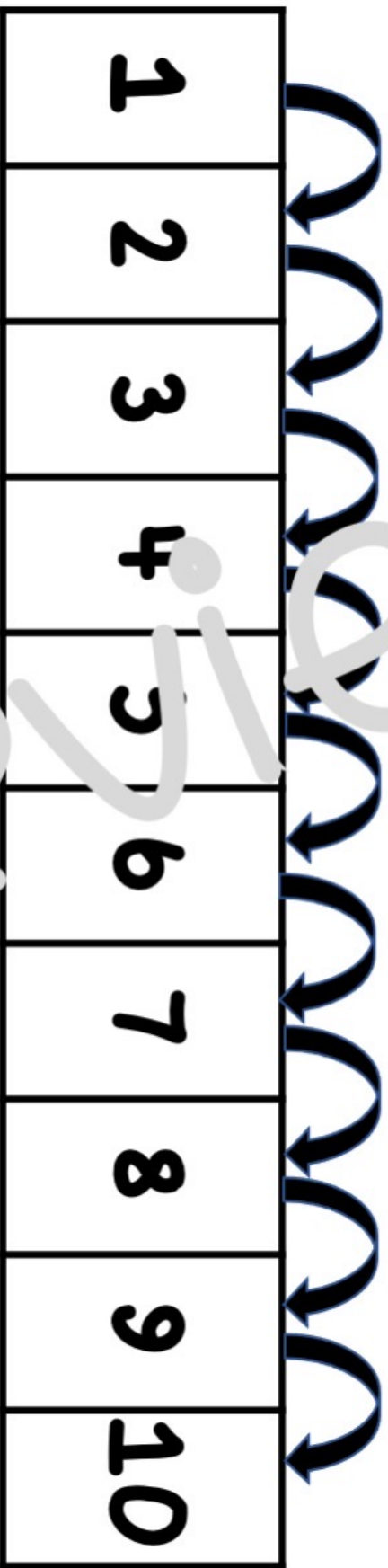
					hundred-million	millions
					ten-million	
					million	
					hundred-thousand	thousands
					ten-thousand	
					thousand	
					hundreds	ones
					tens	
					ones	

Preview

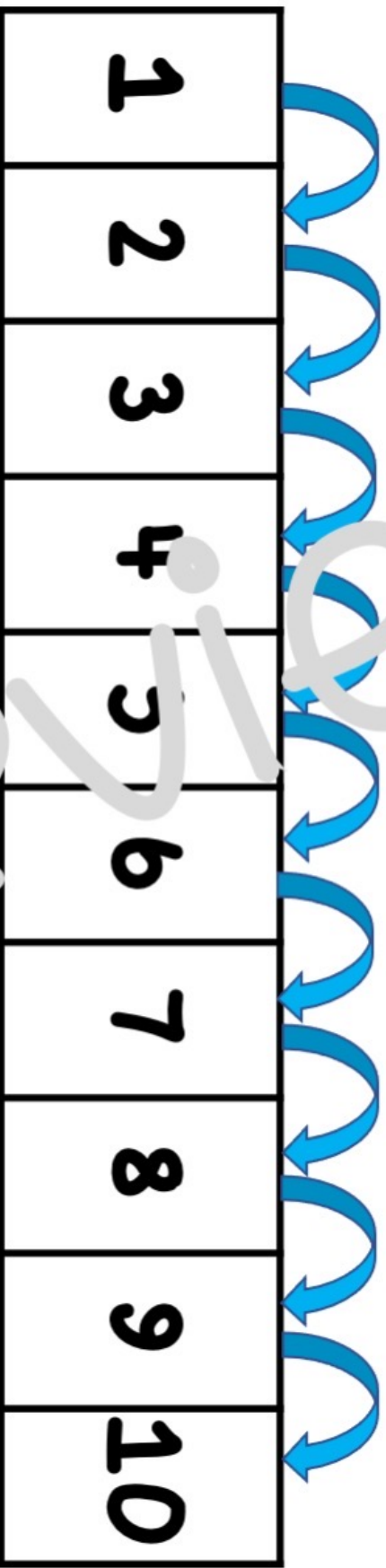
Place Value Chart

					hundred-million	millions
					ten-million	
					million	
					hundred-thousand	thousands
					ten-thousand	
					thousand	
					hundreds	ones
					tens	
					ones	

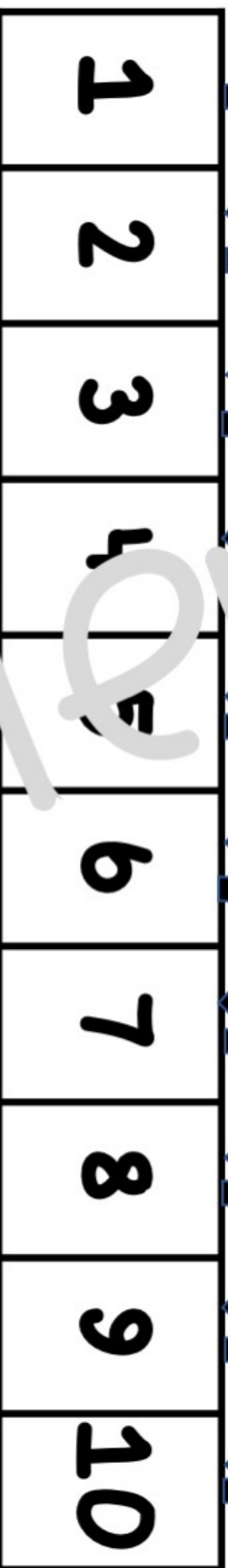
Number Line



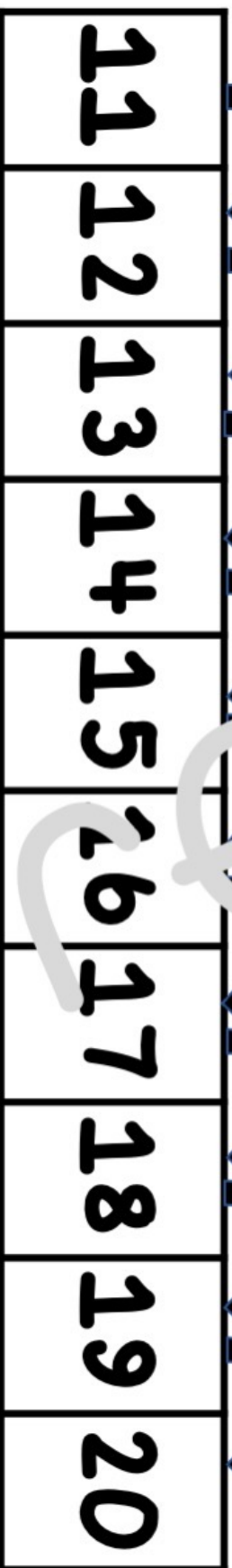
Number Line



Number Line

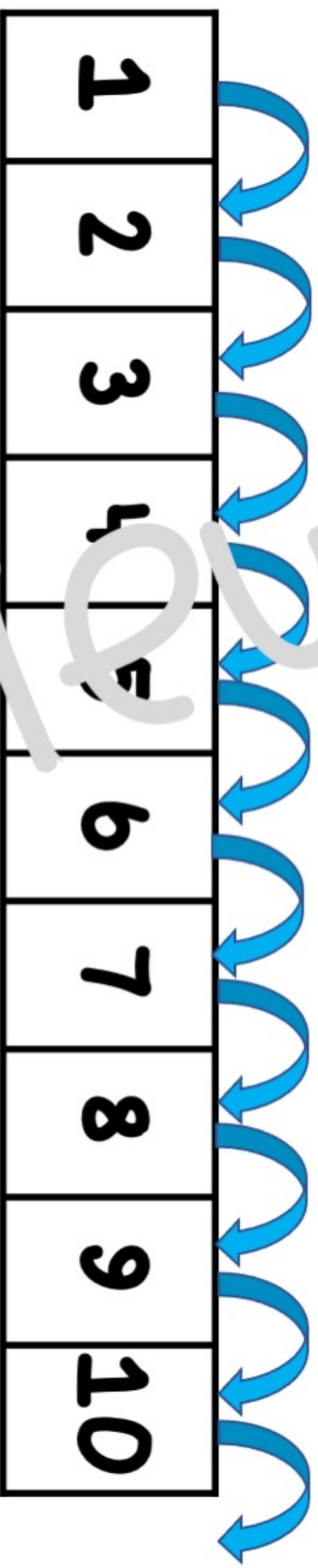


1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

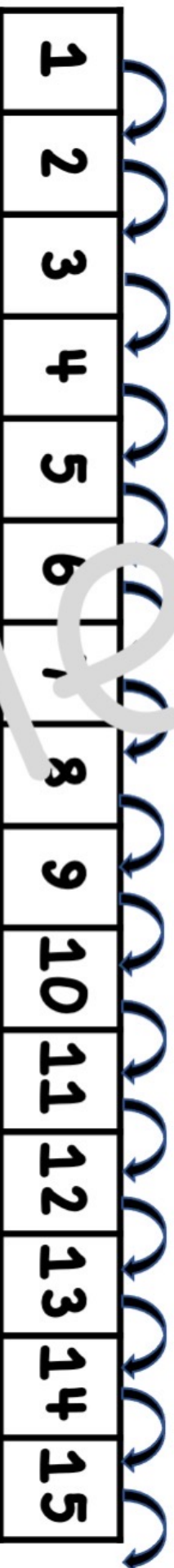


11	12	13	14	15	16	17	18	19	20
----	----	----	----	----	----	----	----	----	----

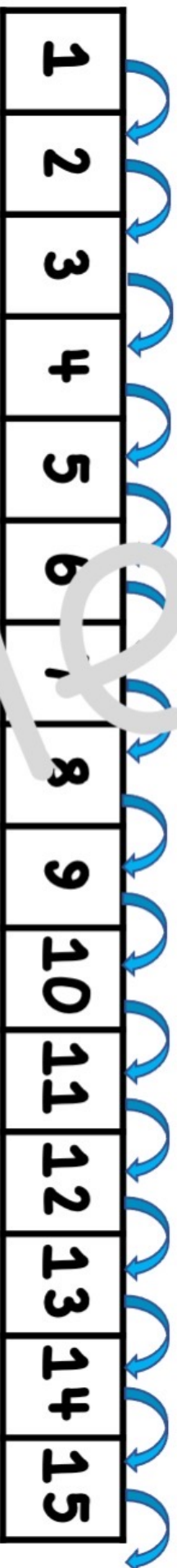
Number Line



Number Line



Number Line



Hundreds 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

Hundreds 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

Hundreds 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

Hundreds 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

Multiplication Chart

X	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
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
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

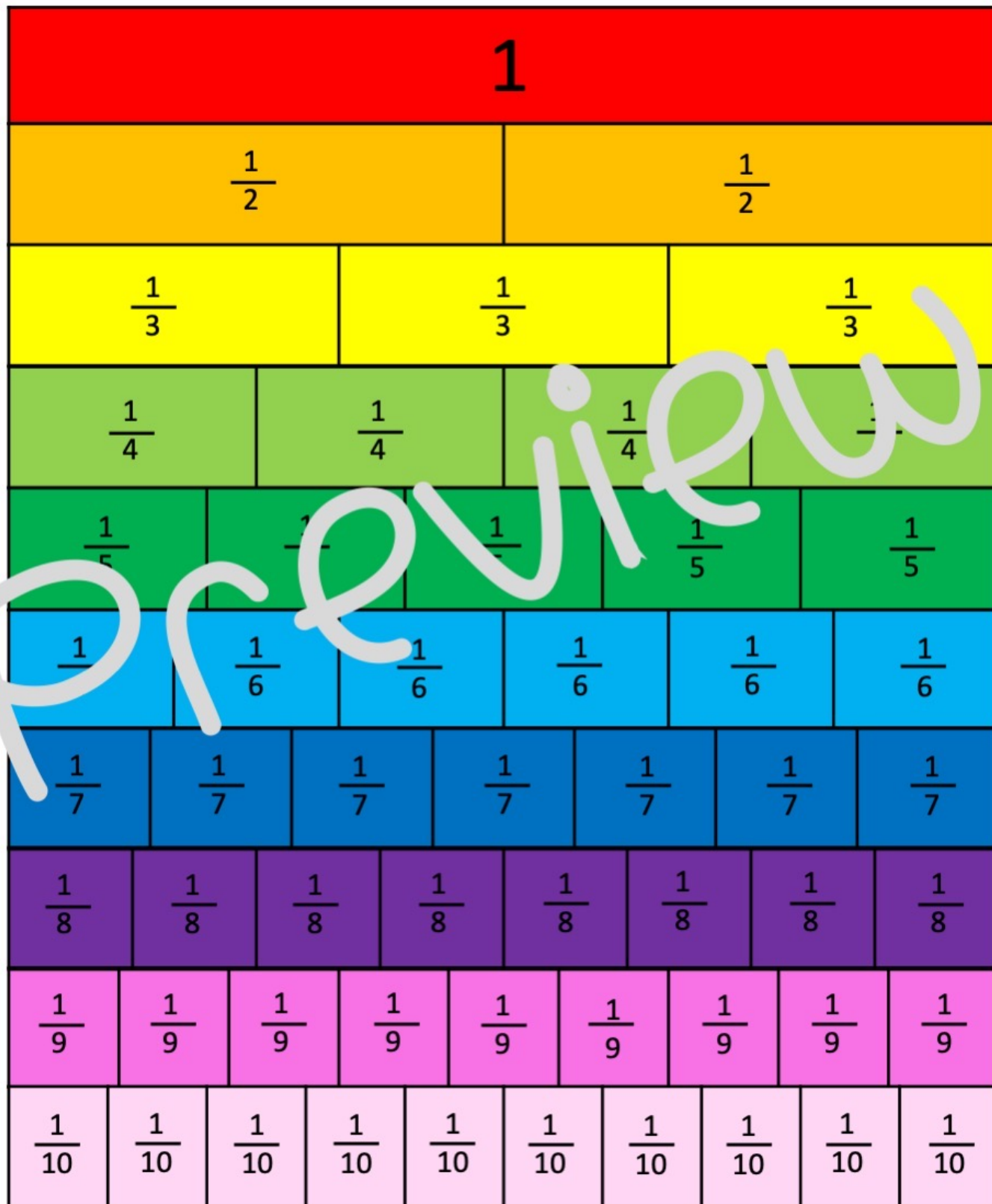
Multiplication Chart

X	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
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
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

Fractions

1									
$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{3}$			$\frac{1}{3}$				$\frac{1}{3}$		
$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$	$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		
$\frac{1}{6}$	$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$		$\frac{1}{7}$	$\frac{1}{7}$		$\frac{1}{7}$	$\frac{1}{7}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$		$\frac{1}{8}$	$\frac{1}{8}$		$\frac{1}{8}$	$\frac{1}{8}$	
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$		$\frac{1}{9}$	$\frac{1}{9}$		$\frac{1}{9}$	$\frac{1}{9}$	
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$		$\frac{1}{10}$	$\frac{1}{10}$		$\frac{1}{10}$	$\frac{1}{10}$	

Fractions











Skip Counting

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

Skip Counting

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

Money

Penny	1 cent		
Nickel	5 cents		
Dime	10 cents		
Quarter	25 cents		

Money

Penny	1 cent	
Nickel	5 cents	
Dime	10 cents	
Quarter	25 cents	

Key Words in Word Problems

Addition	Subtraction
sum, total, plus, altogether, in all, increase, more, combine, both	remainder, left, difference, minus, less than, fewer, remains, take away, how many more, how much more, more than
Multiplication	Division
product, times, twice, total, each, multiply by	quotient goes into, split equally, each

Key Words in Word Problems

<p>Addition</p> <p>sum, total, plus, altogether, in all, increase, more, combine, both</p>	<p>Subtraction</p> <p>remainder, left, difference, minus, less than, fewer, remains, take away, how many more, how much more, more than</p>
<p>Multiplication</p> <p>product, times, twice, total, each, multiply by</p>	<p>Division</p> <p>quotient goes into, split equally, each</p>




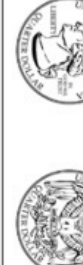
Fractions

1									
$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{3}$			$\frac{1}{3}$				$\frac{1}{3}$		
$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$	
$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$	
$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$	
$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$	

Skip Counting

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

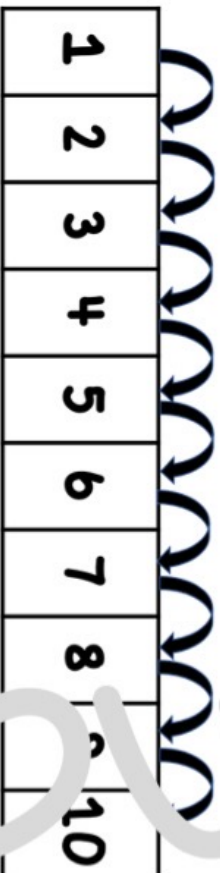
Money

Penny	1 cent	
Nickel	5 cents	
Dime	10 cents	
Quarter	25 cents	

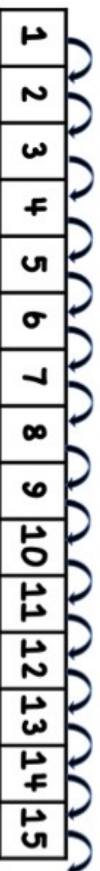
Key Words in Word Problems

Addition sum, total, plus, altogether, in all, increase, more, combine, both	Subtraction remainder, left, difference, minus, less than, fewer, remains, take away, how many more, how much more, more than
Multiplication product, times, twice, total, each, multiply by	Division quotient goes into, split equally, each

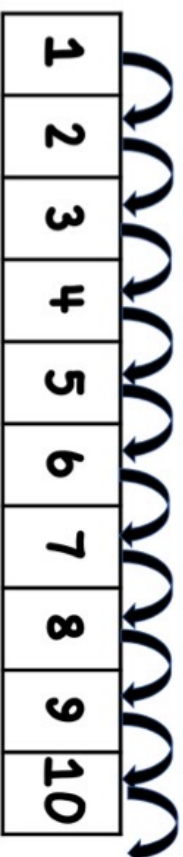
Number Line



Number Line



Number Line



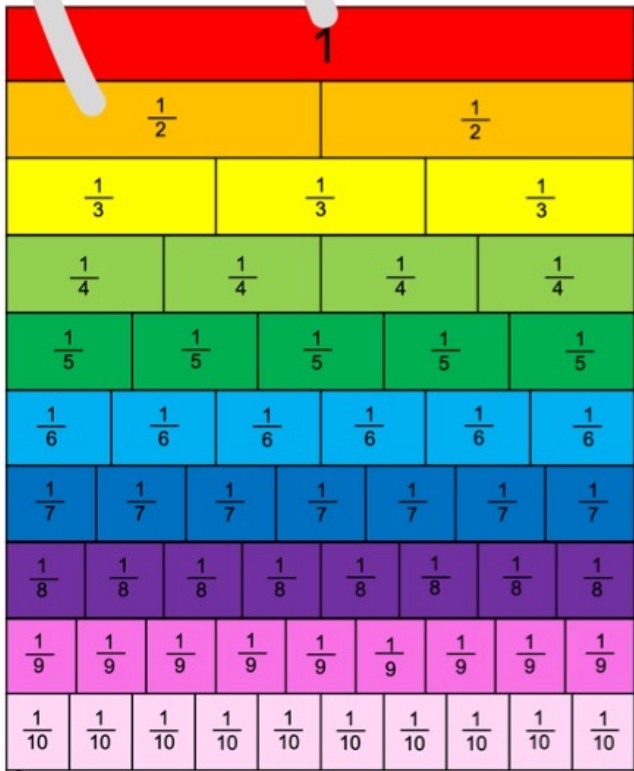
				hundred-million	millions
				ten-million	
				million	
				hundred-thousand	thousands
				ten-thousand	
				thousand	
				hundreds	ones
				tens	
				ones	
				tenths	Decimals
				hundredths	
				thousandths	
				ten-thousandths	

Place Value Chart

X	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
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
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	109	119	129
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Multiplication Chart

Fractions



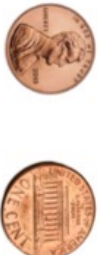



Skip Counting

2's	2	4	6	8	10	12	14	16	18	20	22	24	
3's	3	6	9	12	15	18	21	24	27	30	33	36	
4's	4	8	12	16	20	24	28	32	36	40	44	48	
5's	5	10	15	20	25	30	35	40	45	50	55	60	65
6's	6	12	18	24	30	36	42	48	54	60	66	72	
7's	7	14	21	28	35	42	49	56	63	70	77	84	
8's	8	16	24	32	40	48	56	64	72	80	88	96	
9's	9	18	27	36	45	54	63	72	81	90	99	108	
10's	10	20	30	40	50	60	70	80	90	100	110	120	
11's	11	22	33	44	55	66	77	88	99	110	121	132	
12's	12	24	36	48	60	72	84	96	108	120	132	144	

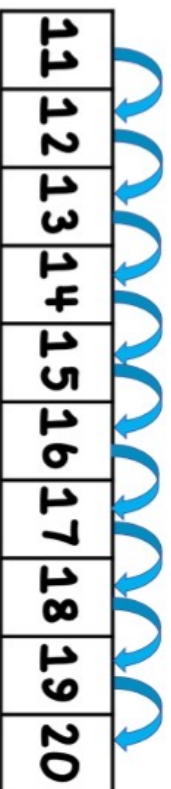
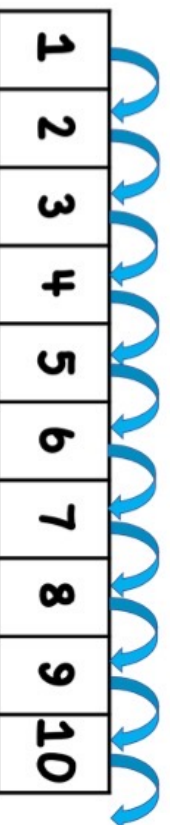
Key Words in Word Problems

Addition sum, total, plus, altogether, in all, increase, more, combine, both	Subtraction remainder, left, difference, minus, less than, fewer, remains, take away, how many more, how much more, more than
Multiplication product, times, twice, total, each, multiply by	Division quotient goes into, split equally, each

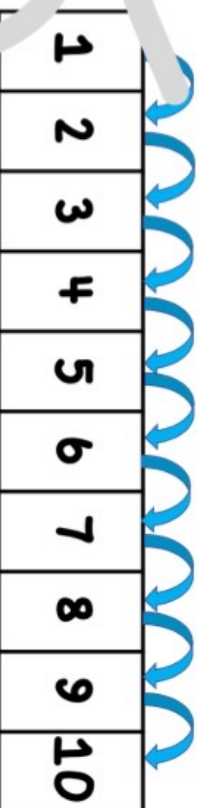
Money

Penny	1 cent	
Nickel	5 cents	
Dime	10 cents	
Quarter	25 cents	

Number Line



Number Line



Number Lines

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

Review

Thank you

Thank you for purchasing this product. Please leave a review on Teachers Pay Teachers at the link below. Check out my TPT store for more products! Feel free to provide feedback at

TheTeacherHubUSA@gmail.com

Follow Me:



Permission to copy for single use.

Fonts and Graphics:

