



MATH Kits for Alberta Grade 3 New Math Curriculum

CONTENTS OF THIS SLIDE DECK

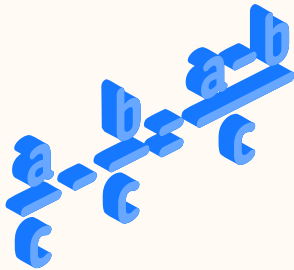
This slide deck is designed to provide suggested math manipulatives that may help support the new Grade 3 Math Curriculum. It is not exhaustive nor is it required. It is designed to support ideas in developing your own version of a student kit! Explanations are provided in the recording.

Enjoy Grade 3!

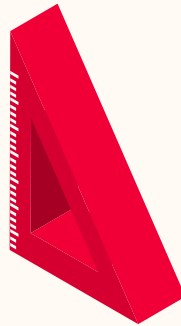
INTRODUCTION

Math Kit Grade 3

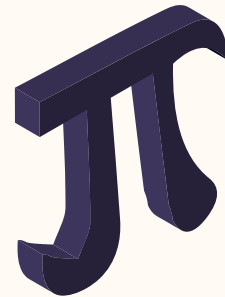
Contents
Overview



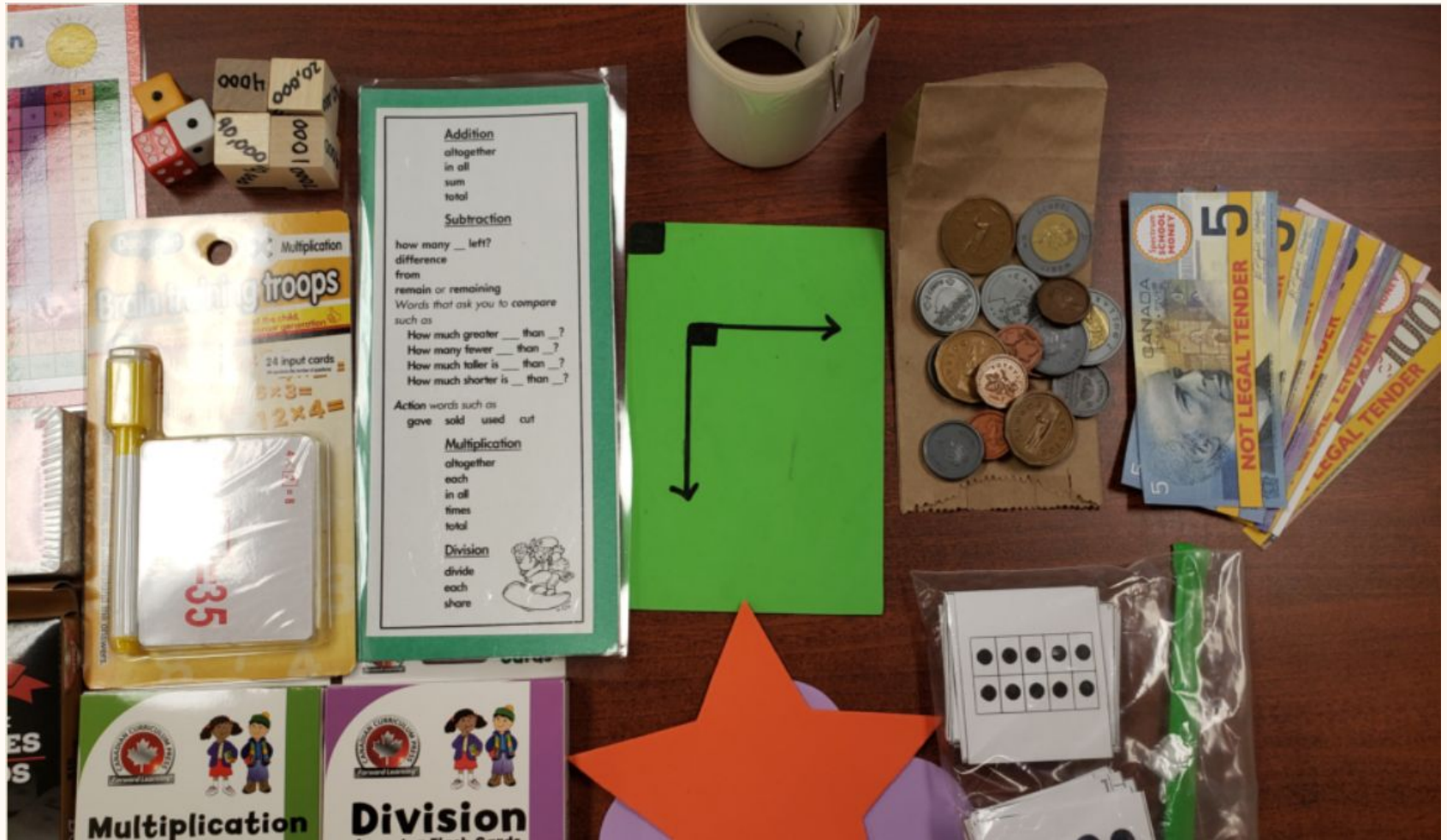
Taking a Closer
Look

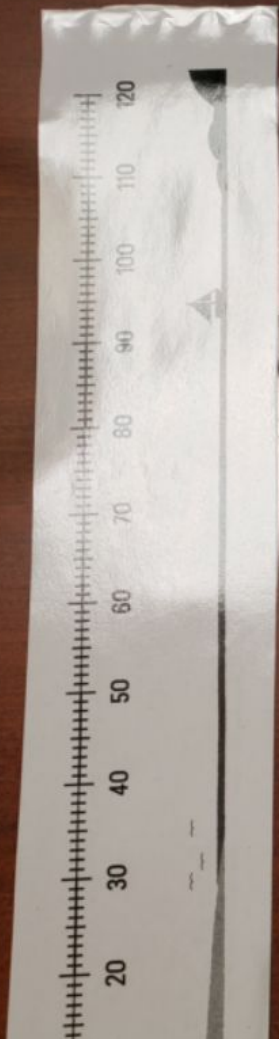


Suggested sites
for purchase



Content Overview





My Hundreds Chart

NAME:	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	

Multiplication Chart 1-12

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 <td>20<td>30<td>40<td>50<td>60<td>70<td>80<td>90<td>100<td>110<td>120</td></td></td></td></td></td></td></td></td></td></td>	20 <td>30<td>40<td>50<td>60<td>70<td>80<td>90<td>100<td>110<td>120</td></td></td></td></td></td></td></td></td></td>	30 <td>40<td>50<td>60<td>70<td>80<td>90<td>100<td>110<td>120</td></td></td></td></td></td></td></td></td>	40 <td>50<td>60<td>70<td>80<td>90<td>100<td>110<td>120</td></td></td></td></td></td></td></td>	50 <td>60<td>70<td>80<td>90<td>100<td>110<td>120</td></td></td></td></td></td></td>	60 <td>70<td>80<td>90<td>100<td>110<td>120</td></td></td></td></td></td>	70 <td>80<td>90<td>100<td>110<td>120</td></td></td></td></td>	80 <td>90<td>100<td>110<td>120</td></td></td></td>	90 <td>100<td>110<td>120</td></td></td>	100 <td>110<td>120</td></td>	110 <td>120</td>	120
11	11 <td>22<td>33<td>44<td>55<td>66<td>77<td>88<td>99<td>110<td>121<td>132</td></td></td></td></td></td></td></td></td></td></td>	22 <td>33<td>44<td>55<td>66<td>77<td>88<td>99<td>110<td>121<td>132</td></td></td></td></td></td></td></td></td></td>	33 <td>44<td>55<td>66<td>77<td>88<td>99<td>110<td>121<td>132</td></td></td></td></td></td></td></td></td>	44 <td>55<td>66<td>77<td>88<td>99<td>110<td>121<td>132</td></td></td></td></td></td></td></td>	55 <td>66<td>77<td>88<td>99<td>110<td>121<td>132</td></td></td></td></td></td></td>	66 <td>77<td>88<td>99<td>110<td>121<td>132</td></td></td></td></td></td>	77 <td>88<td>99<td>110<td>121<td>132</td></td></td></td></td>	88 <td>99<td>110<td>121<td>132</td></td></td></td>	99 <td>110<td>121<td>132</td></td></td>	110 <td>121<td>132</td></td>	121 <td>132</td>	132
12	12 <td>24<td>36<td>48<td>60<td>72<td>84<td>96<td>108<td>120<td>132<td>144</td></td></td></td></td></td></td></td></td></td></td>	24 <td>36<td>48<td>60<td>72<td>84<td>96<td>108<td>120<td>132<td>144</td></td></td></td></td></td></td></td></td></td>	36 <td>48<td>60<td>72<td>84<td>96<td>108<td>120<td>132<td>144</td></td></td></td></td></td></td></td></td>	48 <td>60<td>72<td>84<td>96<td>108<td>120<td>132<td>144</td></td></td></td></td></td></td></td>	60 <td>72<td>84<td>96<td>108<td>120<td>132<td>144</td></td></td></td></td></td></td>	72 <td>84<td>96<td>108<td>120<td>132<td>144</td></td></td></td></td></td>	84 <td>96<td>108<td>120<td>132<td>144</td></td></td></td></td>	96 <td>108<td>120<td>132<td>144</td></td></td></td>	108 <td>120<td>132<td>144</td></td></td>	120 <td>132<td>144</td></td>	132 <td>144</td>	144



Addition
altogether
in all
sum
total

Subtraction
how many left?
difference
minus
remains or remaining
words that ask you to compare
more or
how much greater ____ than ____
how many fewer ____ than ____
how much taller is ____ than ____
how much shorter is ____ than ____

Using words such as
have sold used out

Multiplication
altogether
each
in all
times
total

Division
divide
each
share

Denksport **Multiplication**

Brain training troops

Development of the brain of the child.
The best education of the younger generation!

10x 24 input cards

10x4 = 6x3 =
7x7 = 12x4 =

7 x = 35

Comparison symbols:

- >
- <
- =
- ≠



4+ **Classic** **DOUBLE SIX DOMINOES** **DOMINOS**

WARNING: Not for use by children under 3 years of age.

2-4 PLAYERS

Multiplication Learning Flash Cards

8x9

7x6

Division Learning Flash Cards

90 ÷ 10

80 ÷ 10

Suggested amounts of Money for each Ziplock Bag



10 pennies

6 nickels

10 dimes

6 quarters

4 loonies

3 toonies

2 x \$5.00

2 x \$10.00

2 x \$20.00

2 x \$50.00

1 x \$100.00

Additional cash, if needed, can be retrieved from the “Bank”



Subitizing Cards
A copy of the card deck at the end of this presentation.



Links for images

Symbols 1

Symbols 2

Symbols 3

402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419
420	421	422	423	424	425	426	427	428
429	430	431	432	433	434	435	436	437
438	439	440	441	442	443	444	445	446
447	448	449	450	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	481	482
483	484	485	486	487	488	489	490	491
492	493	494	495	496	497	498	499	500

901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1,000

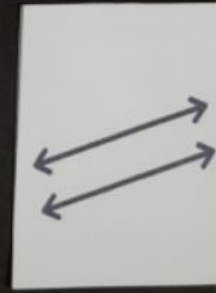
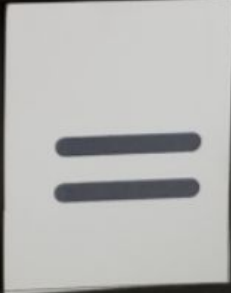
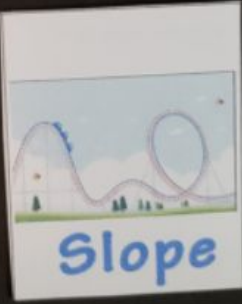


Greater

Less

Even

Odd



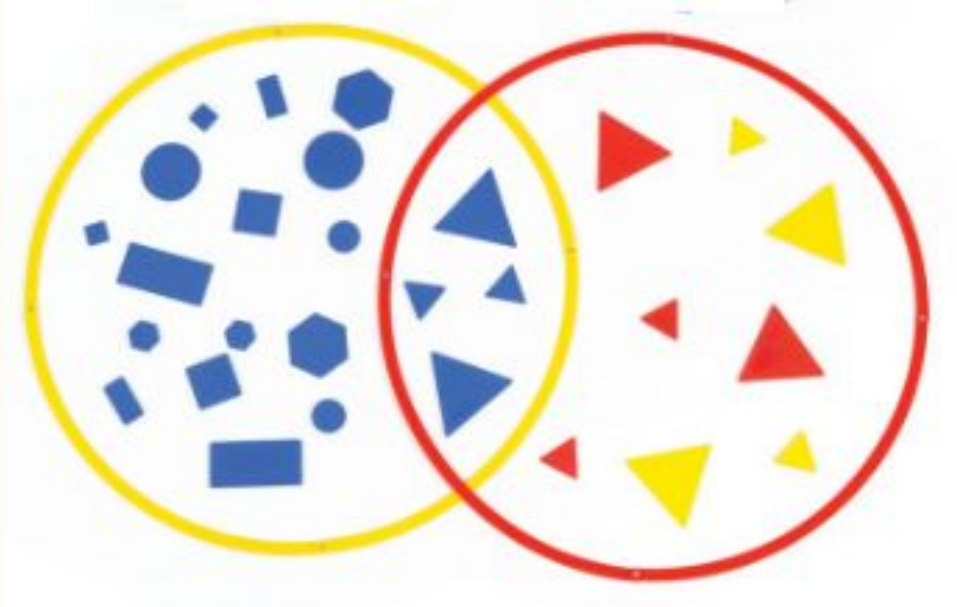
Greater

Less

Even

Odd

Hula Hoops for Venn Diagrams



Money less than 80 cents
vs money greater than 25
cents and divisible by 5



Terminology Reference Card

Addition

altogether
in all
Sum
total

Subtraction

How many ___ left?
difference
from
remain or remaining

Words used to **compare** such as:
How much greater is ___ than ___?
How many fewer is ___ than ___?
How much taller/heavier is ___ than ___?
How much shorter is ___ than ___?

Action words such as:
gave sold used cut

Multiplication

product
altogether
each
in all
___ groups of ___
times
___ of ___

Division

Quotient
Divide
Share
Share in groups of ___



Addition

altogether
in all
Sum
total

Subtraction

How many ___ left?
difference
from
remain or remaining

Words used to **compare** such as:
How much greater is ___ than ___?
How many fewer is ___ than ___?
How much taller/heavier is ___ than ___?
How much shorter is ___ than ___?

Action words such as:
gave sold used cut

Multiplication

product
altogether
each
in all
___ groups of ___
times
___ of ___

Division

Quotient
Divide
Share
Share in groups of ___



Terminology Card can be accessed through the link at the end of the presentation.

My Hundreds Chart

NAME: _____

DATE: _____

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
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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

© A Hughes Design

Multiplication Chart 1-12



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

$$24 \div 3$$

$$40 \div 8 = 5$$

$$4 \times 2$$

$$8 \times 10 = 80$$

Staples



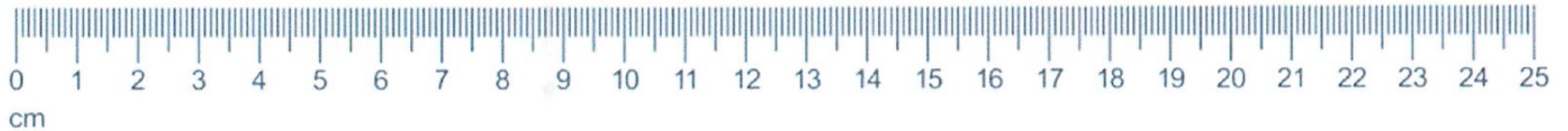
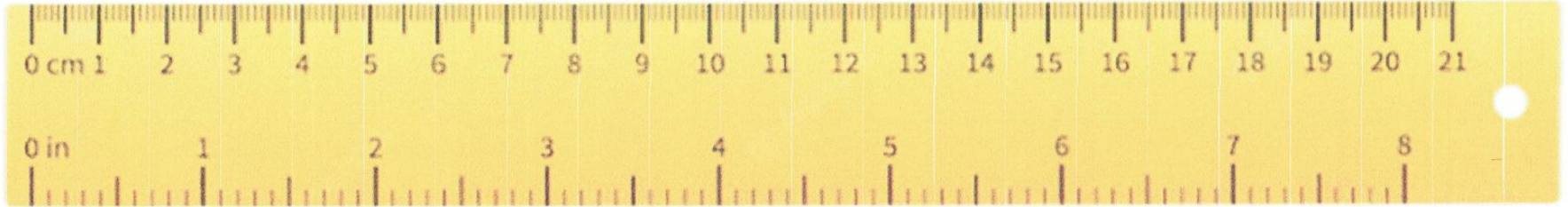
5:00
five o'clock

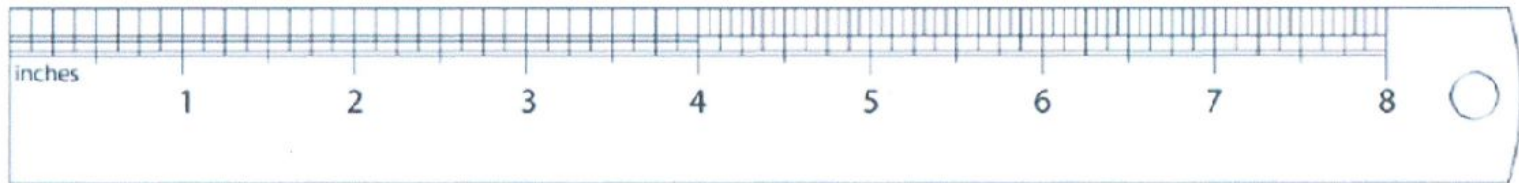
Dollar Tree



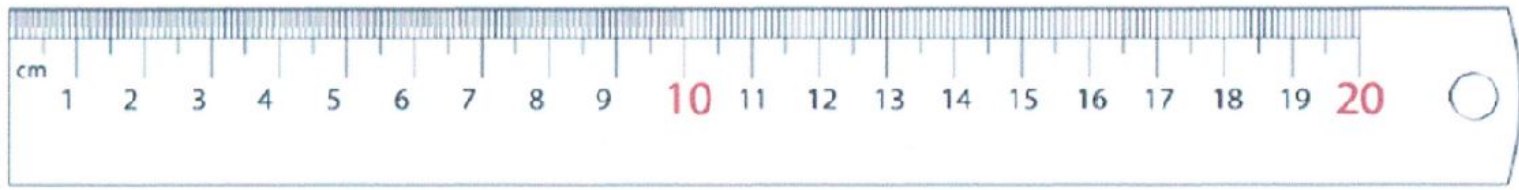


Imperial & Metric

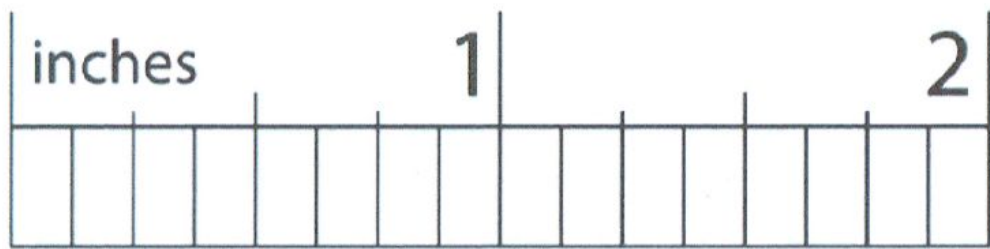
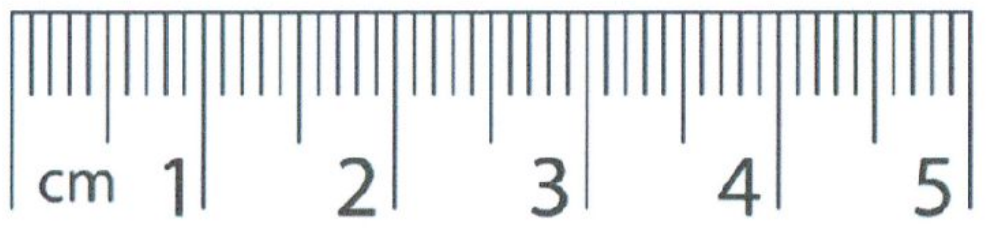




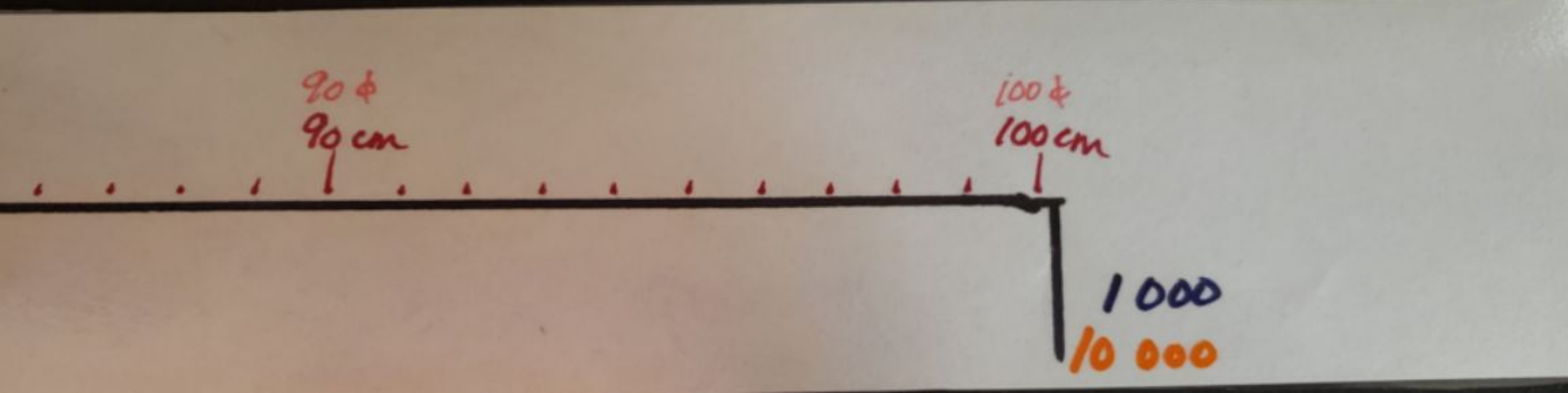
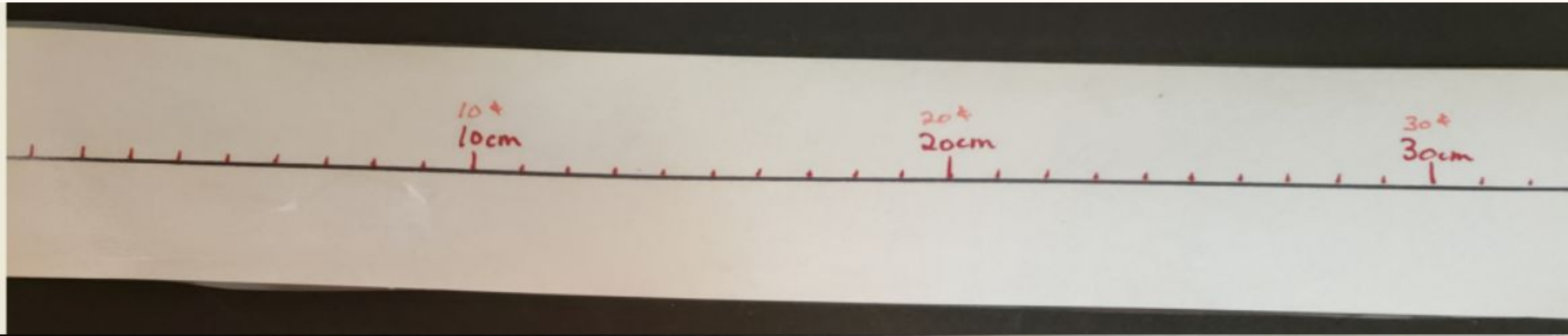
Imperial and Metric Rulers 1



Imperial and Metric Rulers 2



Counting and Visualizing 1000, 10 000, 100 000



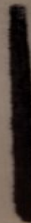
Counting and Visualizing 1000, 10 000, 100 000

500¢
500cm



5 000
50 000

1000¢
1000cm



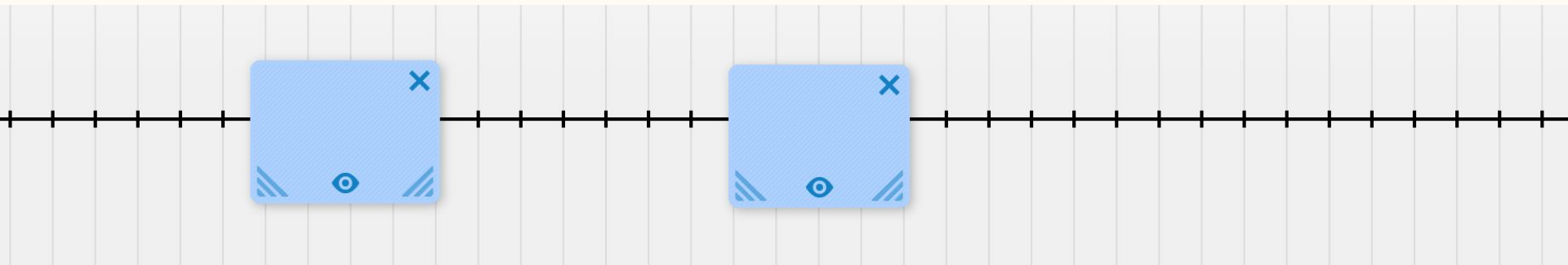
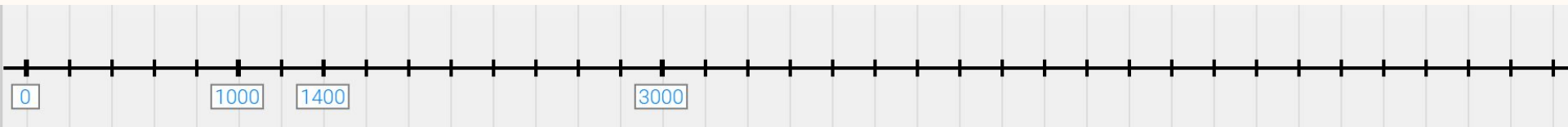
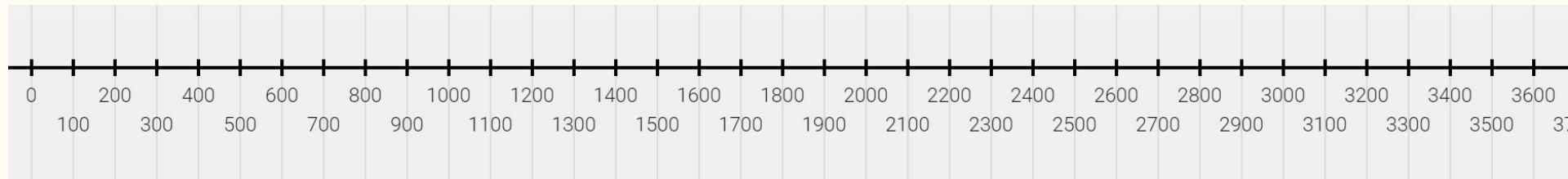
10 000
100 000

Wooden
cubes are 1
inch cubes
- available
at
Dollarama

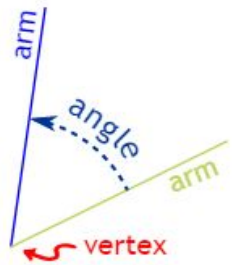


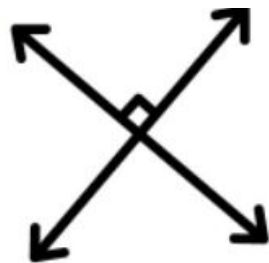
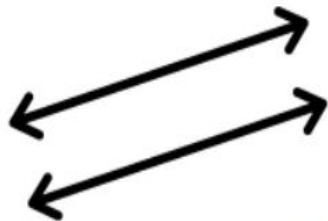
Dollarama

<https://apps.mathlearningcenter.org/number-line/>



To Print from Shared Files





Slope

401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
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931	932	933	934	935	936	937	938	939	940
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961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1,000

ODD

EVEN

**GREATER
Than**

**LESS
Than**

EQUAL


≠

UNEQUAL

Finished kit - container from Dollarama



Container fits in a student desk or cubby.



Place Value Templates

Copy back to back on 8.5 x 11
paper and laminate

Place Value Chart Beginning with Money (Penny, Dime, Loonie, \$5, \$10)





				

$$\boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{}$$



Place Value
Template are
saved in a shared
folder based on
the title headers
on each of these
slides.






Place Value Chart Beginning with Money (Dime, Loonie, \$5, \$20, \$100)

$$\square + \square + \square + \square + \square + \square$$






Place Value Chart Beginning with Money (Loonie, \$5, \$10, \$50, \$100)

$$\square + \square + \square + \square + \square$$


$$\square$$

Place Value Chart Beginning with Money (Loonie, \$5, \$10, \$100, \$1000)

THOUSAND (\$1000.00)			

+ + +






\$1000.00 = 100 000¢





Place Value Chart Beginning with Money (Penny, Nickel, Dime, Quarters)

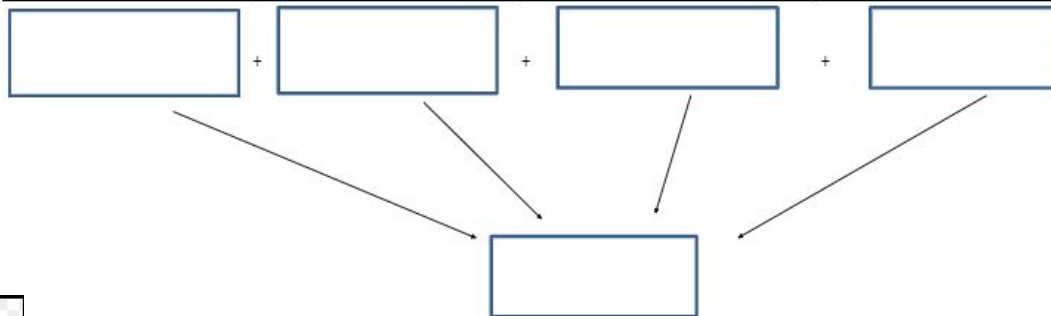
Quarter 	Dime 	Nickel 	Penny 

Place Value Chart Beginning with Money (Penny, Nickel, Dime)

Dime 	Nickel 	Penny 

Place Value Chart Beginning with Money (Penny, Nickel, Quarter, Loonie)

Loonie 	Quarter 	Nickel 	Penny 



Thank You

Grade 3 Print Masters are available at this [link](#).

If You have any questions

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Chris Zarski

czarski@carcpd.ab.ca

