

2nd Grade Math Resource Page









1 – 120 Chart

I	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 Words

0	zero	10	ten	20	twenty
1	one	11	eleven	30	thirty
2	two	12	twelve	40	forty
3	three	13	thirteen	50	fifty
4	four	14	fourteen	60	sixty
5	five	15	fifteen	70	seventy
6	six	16	sixteen	80	eighty
7	seven	17	seventeen	90	ninety
8	eight	18	eighteen		hundred
9	nine	19	nineteen		thousand

Place Value

Thousands	Hundreds	Tens	Ones
			
1	3	7	4
			

1,374

One thousand three hundred and seventy-four

Addition Doubles Facts

$$1 + 1 = 2$$

$$2 + 2 = 4$$

$$3 + 3 = 6$$

$$4 + 4 = 8$$

$$5 + 5 = 10$$

$$6 + 6 = 12$$

$$7 + 7 = 14$$

$$8 + 8 = 16$$

$$9 + 9 = 18$$

$$10 + 10 = 20$$

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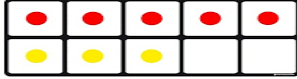
Math Vocabulary

Addition

addend + addend = sum

$$5 + 3 = 8$$

$$5 + 3 = 8$$



Addition



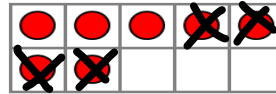
add
more
plus
make
sum
total

Subtraction

number - number =

difference

$$7 - 4 = 3$$



Subtraction



subtract
minus
leave
less
take away
difference between

Word problem

-A story

problem that uses words in order to tell what math needs to be done.

Can be one-step or two-step problems.

You picked 8 flowers and your friend picked 17 flowers. How many more flowers did your friend pick?

Standard Form

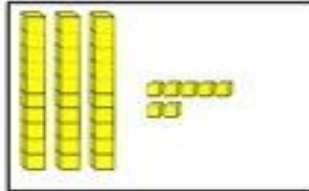
Expanded Form

Expanded Form

Number Name

37

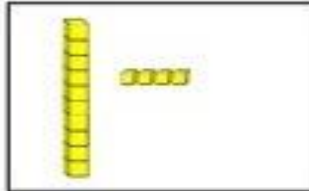
30+7



Thirty-seven

14

10+4



Fourteen

Hundreds

1 hundred = 100
2 hundreds = 200
3 hundreds = 300
4 hundreds = 400
5 hundreds = 500
6 hundreds = 600
7 hundreds = 700
8 hundreds = 800
9 hundreds = 900
10 hundreds = 1,000

Tens

1 ten = 10
2 tens = 20
3 tens = 30
4 tens = 40
5 tens = 50
6 tens = 60
7 tens = 70
8 tens = 80
9 tens = 90
10 tens = 100

Ones

1 one = 1
2 ones = 2
3 ones = 3
4 ones = 4
5 ones = 5
6 ones = 6
7 ones = 7
8 ones = 8
9 ones = 9
10 ones = 10

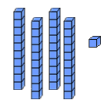
Operations & Algebraic Thinking

Number & Operations in Base Ten

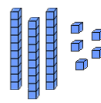
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4 tens
+
1 one

3 tens
+
5 ones



— 0 —



4 1

3 5

Compare numbers in
leftmost place value

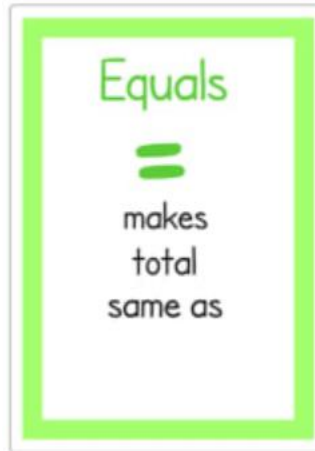
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Greater than



=

Equal



<

Less than



Digit

867
↑ ↑ ↑
digit digit digit

**Mental
math**

Doing math in your
head quickly



5+7+5=
10+7= 17

**Skip
count**

Counting
objects
in equal
groups
of two
or more

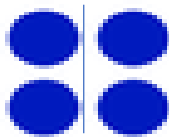
Count by	Skip Counting											
2s	2	4	6	8	10	12	14	16	18	20	22	24
3s	3	6	9	12	15	18	21	24	27	30	33	36
4s	4	8	12	16	20	24	28	32	36	40	44	48
5s	5	10	15	20	25	30	35	40	45	50	55	60
6s	6	12	18	24	30	36	42	48	54	60	66	72
7s	7	14	21	28	35	42	49	56	63	70	77	84
8s	8	16	24	32	40	48	56	64	72	80	88	96
9s	9	18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

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Even Numbers

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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91	92	93	94	95	96	97	98	99	100

Even Numbers end in



Odd Numbers

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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51	52	53	54	55	56	57	58	59	60
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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

Odd Numbers end in



Array

Arrays

An array is a model that shows pictures, numbers or boxes in equal rows and columns.

What is a ROW?
In a row, objects are arranged side-by-side in a line.

What is a COLUMN?
In a column, objects are arranged one on top of the other.

- Each row has the same number of objects.
- Each column has the same number of objects.

Equations

$$4 + 4 + 4 = 12$$

AND

$$3 + 3 + 3 + 3 = 12$$

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Measurement & Data

HOW to measure Length

*Start at one end and measure in a straight line to the other end.



Unit of measurement

ruler

inches(in) or centimeters(cm)



yardsticks

feet(ft) or yards(yd)



meter sticks

millimeters (mm) or centimeters (cm)

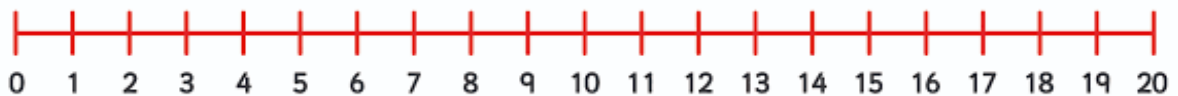


measuring tapes

inches(in) or feet(ft)

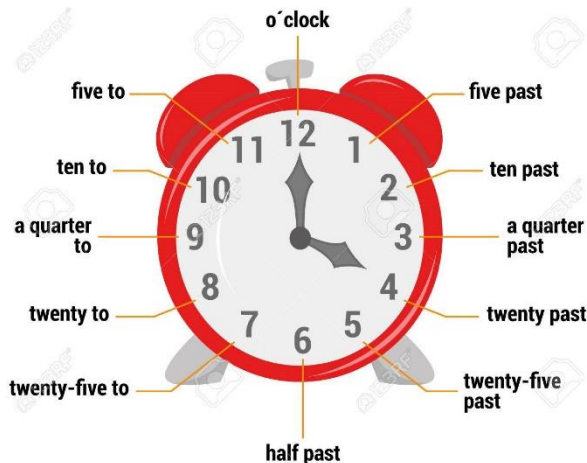


number line



edtech
www.edtech.co.uk

time



Types of Clocks

digital clock



Hours Minutes

analog clock



































Hours Minutes

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\$ MONEY ¢

IDENTIFYING MONEY

PENNY	1¢	NICKEL	5¢
	one cent \$0.01 Abraham Lincoln		five cents \$0.05 Thomas Jefferson
			
DIME	10¢	QUARTER	25¢
	ten cents \$0.10 Franklin D. Roosevelt		twenty-five cents \$0.25 George Washington
			
DOLLAR BILL		\$1.00	
		one dollar George Washington	
			

penny 1¢ 1 cent \$0.01 	 = 
nickel 5¢ 5 cents \$0.05 	 = 
dime 10¢ 10 cents \$0.10 	 = 
quarter 25¢ 25 cents \$0.25 	 = 
half dollar 50¢ 50 cents \$0.50 	 = 
dollar 	 =  100 pennies  20 nickels  10 dimes  4 quarters  2 half dollars

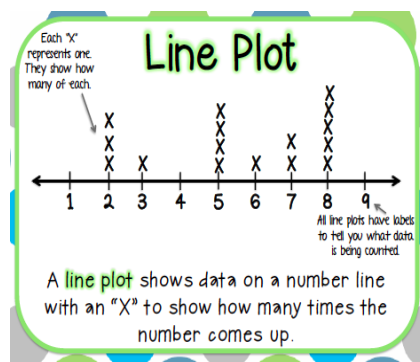
Count money using highest coin amount first

$$25¢ + 10¢ + 1¢ = 36¢$$

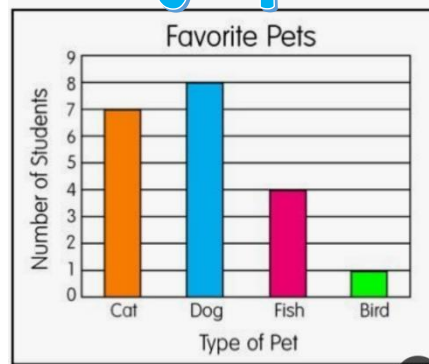


Data Information collected to show the amount of something

Line Plot

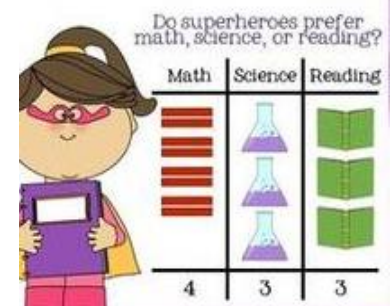


Bar graph



Pictograph

A graph that organizes and shows information using pictures



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geometry

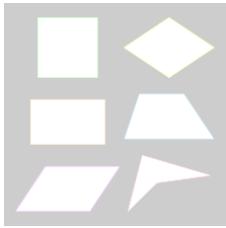
Triangle

3 sides



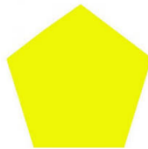
Quadrilateral

4 sides



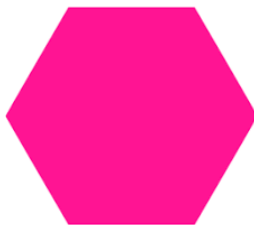
Pentagon

5 sides



Hexagon

6 sides



2-D Shapes



circle

rectangle



square



trapezoid

triangle



hexagon



quarter circle

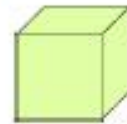


half-circle

3-D Shapes



cylinder



cube



sphere



cone

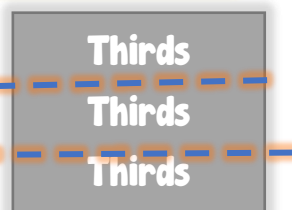


triangular prism

rectangular prism



Partition means to separate or to divide

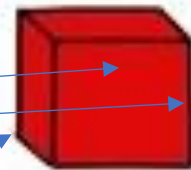


This shape is a ____

____ faces

____ edges

____ vertices



Face - Any of the individual flat surfaces of a solid object

Edges - an edge is a line segment or where two faces meet

Vertex - a point where two or more line segments meet

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