

# Math Reference Sheet

Multiplication													
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




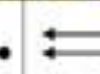


Key Words	
<b>Addition</b> +	sum, total, plus, altogether, in all
<b>Subtraction</b> -	remainder, fewer, difference, minus, than, how many more
<b>Multiplication</b> ×	product, times, twice, total, each, multiply by
<b>Division</b> ÷	quotient, goes into, split equally, each




Place Value											
Millions			Thousands			Ones			Decimals		
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
7	8	9	1	2	3	4	5	6	.7	8	9

Formulas	
Perimeter of a Rectangle	$(2L) + (2W)$
Perimeter of a Square	$4 \times s$
Circumference	$C = \pi d$
Area of a Square or Rectangle	$L \times W$
Volume	$L \times W \times H$

Fractions							
1							
½				½			
¼	¼	¼	¼	¼	¼	¼	¼
⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛

Polygons			
			
Triangle	Quadrilateral	Pentagon	Hexagon
			
Octagon	Rhombus	Trapezoid	Right Triangle

Types of Lines					
					
Line	Ray	Line Segment	Parallel Lines	Perpendicular Lines	Intersecting Lines

Types of Triangles		
		
Equilateral	Isosceles	Scalene

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## Customary Units of Length

1 foot (ft) = 12 inches (in)  
 1 yard (yd) = 3 feet (ft)  
 1 yard (yd) = 36 inches (in)  
 1 mile (mi) = 1,760 yards (yd)  
 1 mile (mi) = 5,280 feet (ft)

## Customary Units of Weight

1 pound (lb) = 16 ounces (oz)  
 1 ton (T) = 2,000 pounds