

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

| | |
|----------------------------|--|
| Addition + | sum, total, plus, altogether, in all |
| Subtraction - | remainder, fewer, difference, minus, than, how many more |
| Multiplication × | product, times, twice, total, each, multiply by |
| Division ÷ | 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 |








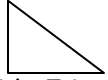
Formulas

| | |
|-------------------------------|-------------------------------|
| Perimeter of a Rectangle | $(2 \times L) + (2 \times W)$ |
| Perimeter of a Square | $4 \times s$ |
| Circumference | $D \times 3$ |
| Area of a Square or Rectangle | $L \times W$ |
| Volume | $L \times W \times H$ |

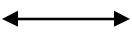
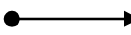
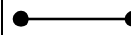
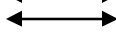

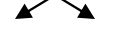
Fractions

| | | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1 | | | | | | | |
| $\frac{1}{2}$ | | | | $\frac{1}{2}$ | | | |
| $\frac{1}{4}$ | | $\frac{1}{4}$ | | $\frac{1}{4}$ | | $\frac{1}{4}$ | |
| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |



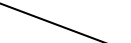
Polygons

| | | | |
|---|---|--|---|
|  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 |
|--|--|--|