

Hundred's 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 |

| # | Rule | Examples | | |
|-----------|---|--|---------------|----------------|
| 2 | If the number is even, it's true, it is divisible by 2... | 9 <u>8</u> | 10 <u>6</u> | 3,45 <u>4</u> |
| 3 | Add the digits to see, if it is divisible by 3... | 318 → 3 + 1 + 8 = 12 12 ÷ 3 = 4 | | |
| 4 | Divide the last 2 digits by 4, & you will get 4, for sure... | 3 <u>64</u> → 64 ÷ 4 = 16 4,0 <u>24</u> → 24 ÷ 4 = 6 | | |
| 5 | If the number ends in 5 or 0, 5 will definitely be your hero... | 32 <u>5</u> | 1,22 <u>0</u> | |
| 6 | If you already have 2 and 3, you will get the 6 for free... | 84 <u>6</u> → Even # divides by 2 8 + 4 + 6 = 18 18 divides by 3 | | |
| 8 | If the last 3 digits divide by 8, you will know 8 works great... | 1,0 <u>64</u> → 64 ÷ 8 = 8 23,1 <u>28</u> → 128 ÷ 8 = 16 | | |
| 9 | Adding the digits is just fine, if it is divisible by 9... | 927 → 9 + 2 + 7 = 18 18 ÷ 9 = 2 | | |
| 10 | If a 0 comes at the end, you'll feel good about the 10... | 13 <u>0</u> | 7,95 <u>0</u> | 34,64 <u>0</u> |

Units of Length

| Customary Units | Metric Units |
|--|--|
| 1 foot (ft) (about the length of a sheet of notebook paper) = 12 inches (in) (one ruler) | 1 centimeter (cm) (about the width of your pinky finger) = 10 millimeters (mm) (the smallest little lines on the metric side of a ruler) |
| 1 yard (yd) (about the length of a baseball bat) = 3 feet or 36 inches (3 rulers) | 1 decimeter (dm) = 10 centimeters (cm) |
| | 1 meter (m) (about the width of a door) = 100 centimeters (close to 3 rulers, but not exactly) |

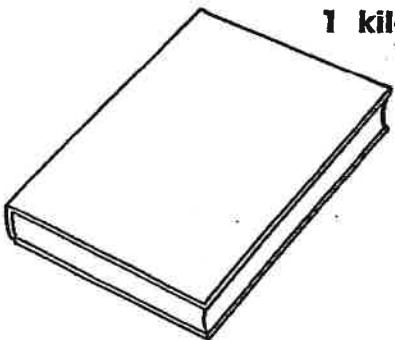
Units of Capacity

| Customary Units | Metric Units |
|---|---|
| 1 cup = 8 ounces | 1 milliliter = a few drops |
| 1 pint = 2 cups | 1 liter (1/2 of a 2-liter bottle) = 1,000 milliliters |
| 1 quart = 4 cups or 2 pints | |
| 1 gallon = 4 quarts = 8 pints = 16 cups | |

Units of Weight

| Units of Weight | Units of Mass |
|---|---|
| 1 ounce (oz) = about the weight of a slice of cheese | 1 gram (g) = the mass of a dollar bill |
| 1 pound (lb) (about the weight of a lunchbox) = 16 ounces | 1 kilogram (kg) (about the mass of a pair of running shoes) = 1,000 grams |
| 1 ton = 2,000 pounds | |

1 kilogram (kg) = 1,000 grams (g)



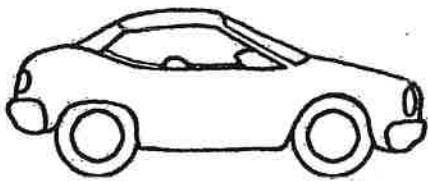
math book
about 1 kilogram



paper clip
about 1 gram

1 pound (lb) = 16 ounces (oz)

1 ton (T) = 2,000 pounds



about 1 ton



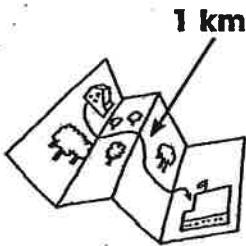
about 1 pound



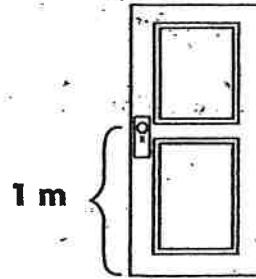
about 1 ounce

1 meter (m) = 100 centimeters (cm)

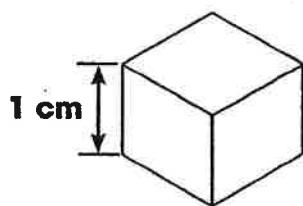
1 kilometer (km) = 1,000 meters



about 1 kilometer



about 1 meter



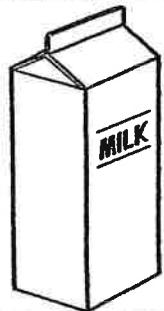
about 1 centimeter

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet or 36 inches

1 mile (mi) = 1,760 yards or 5,280 feet

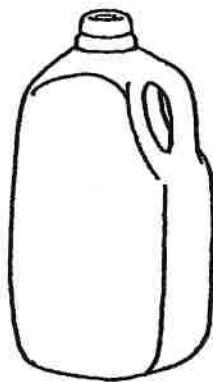
1 liter (L) = 1,000 milliliters (mL)



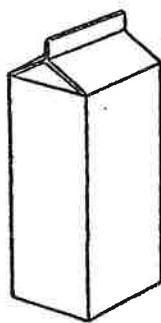
**milk carton
1 liter**



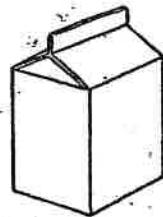
**eyedropper
1 milliliter**



1 gallon



1 quart

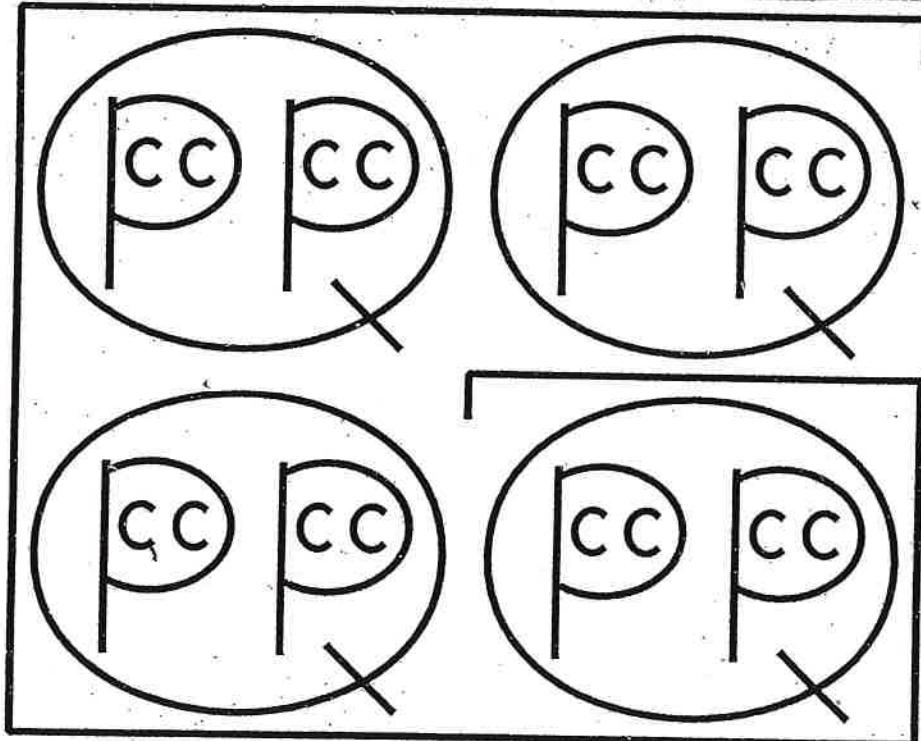


1 pint



1 cup

**1 pint (pt) = 2 cups (c)
1 quart (qt) = 2 pints or 4 cups
1 gallon (gal) = 4 quarts or 8 pints**

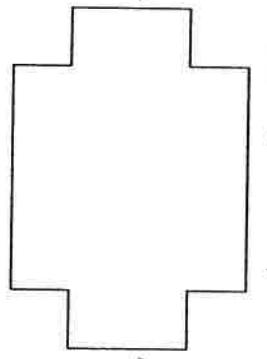


Polygons

Polygons that do NOT have 4 sides

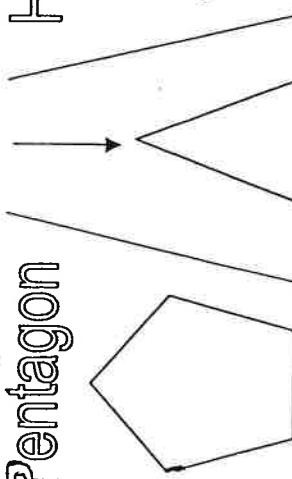
They ALL have:

- 3 sides or more
- straight sides - no curves
- no open edges - sides connect
- no intersections (through corners)

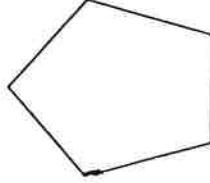


Pentagon

Hexagon



Triangle



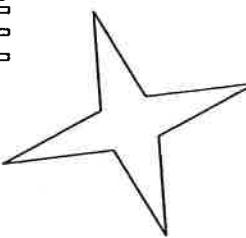
Parallelogram



Rectangle

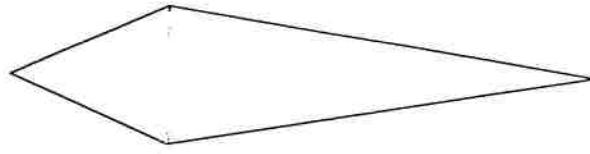
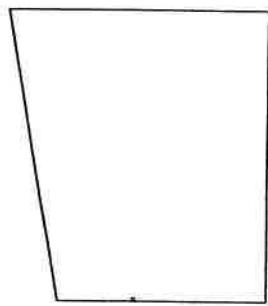


Concave Hexagon



Concave Octagon

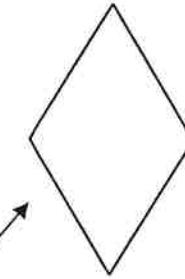
Quadrilaterals
or
Quadrilaterals



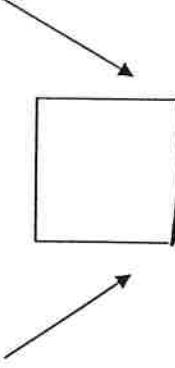
Kite



Trapezoids



Rhombus



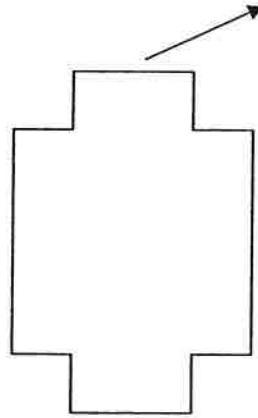
Square

Polygons

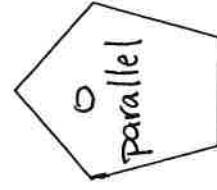
Polygons that do NOT have 4 sides

They ALL have:

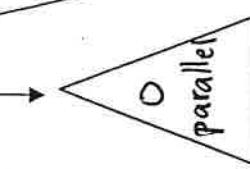
- 3 sides or more
- straight sides - no curves
- no open edges - sides connect
- no intersections (through corners)



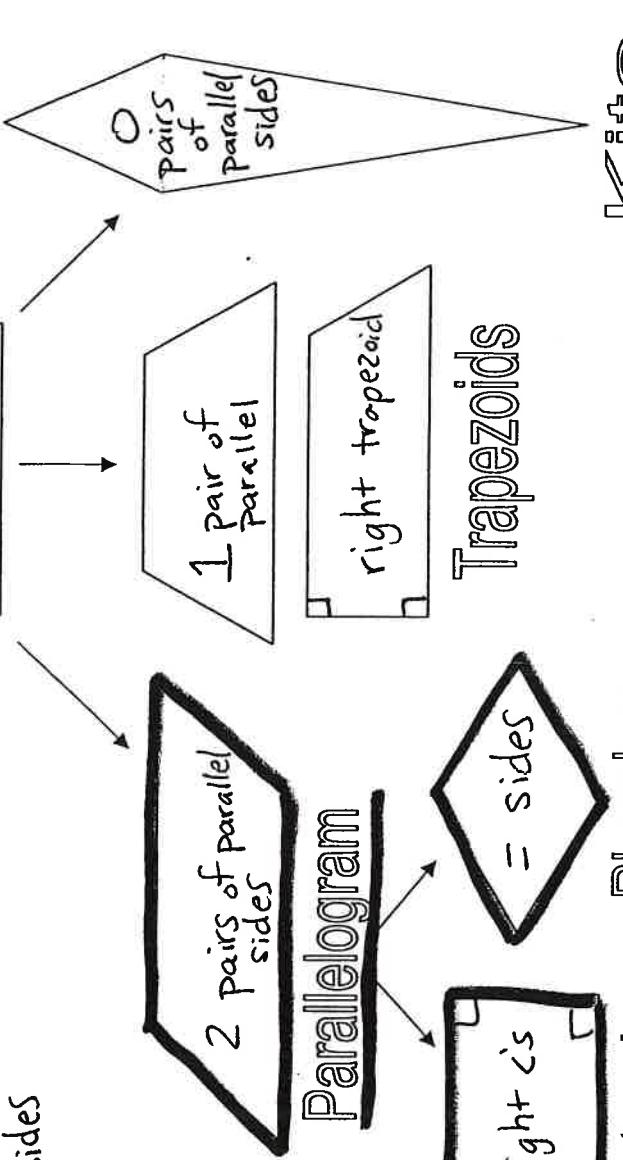
Pentagon - 5 sides



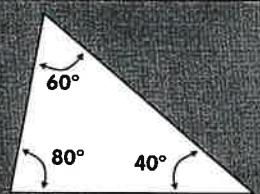
Hexagon - 6 sides



Triangle
3 sides

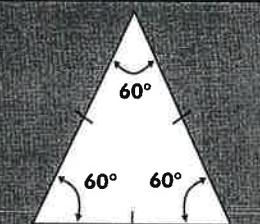


Triangles



Acute Triangle

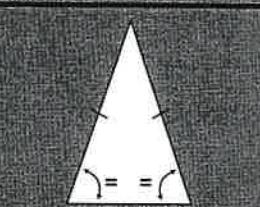
All angles are less than 90°.



Equilateral Triangle

Three equal sides.

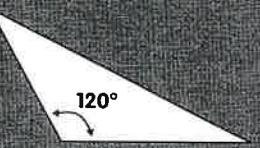
Three equal angles, always 60°.



Isosceles Triangle

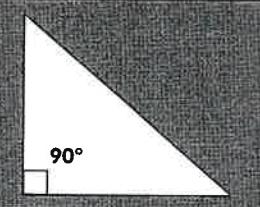
Two equal sides.

Two equal angles.



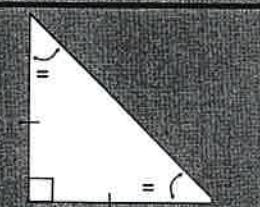
Obtuse Triangle

Has an angle more than 90°.



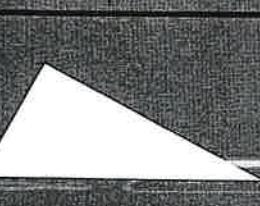
Right Triangle

Has a right angle (90°).



Right Isosceles Triangle

Has a right angle (90°), and two equal angles.



Scalene Triangle

No equal sides.

No equal angles.

