

Son of Useful Information

Formulas

$A=lw$ Area of a rectangle

$A=bh$ Area of a parallelogram

$A=\frac{1}{2}bh$ Area of a triangle

$V=lwh$ Volume of a rectangular prism

$C=2\pi r$ Circumference of a circle

$C=\pi d$ Circumference of a circle

$A=\pi r^2$ Area of a circle

Rules for Divisibility

A number can be divided by () if.....

2 - the last digit can be divided by 2.

3 - the sum of the digits can be divided by 3.

4 - the last 2 digits can be divided by 4.

5 - the last digit is 0 or 5.

6 - the number can be divided by 2 and 3.

7 - No rule.

8 - the last 3 digits can be divided by 8.

9 - the sum of the digits can be divided by 9.

Mean: the arithmetic average (add and divide)

Median: the number in the middle of a series of numbers

Mode: the number that appears most often

To subtract integers, add the opposite.

Name _____

A prime number has exactly two factors. A composite number has more than two factors.

Tri means 3.

Quad means 4.

Pent means 5.

Hex means 6.

Oct means 8.

Dec means 10.

A right angle is 90° .

An acute angle is less than 90° .

An obtuse angle is more than 90° , but less than 180° .

A straight angle is 180° .

Similar means same shape.

Congruent means same size and shape.

Triangles

Equilateral - Three equal sides

Isosceles - Two equal sides

Scalene - Three unequal sides

Acute - All acute angles

Right - One right angle

Obtuse - One obtuse angle

Roman Numerals

I=1 V=5 X=10 L=50 C=100

D=500 M=1,000

IV=4 IX=9 XL=40 XC=90

CD=400 CM=900

$\frac{1}{8}=.125$