

Two angles in a plane which share a common vertex and a common side, but do not overlap.

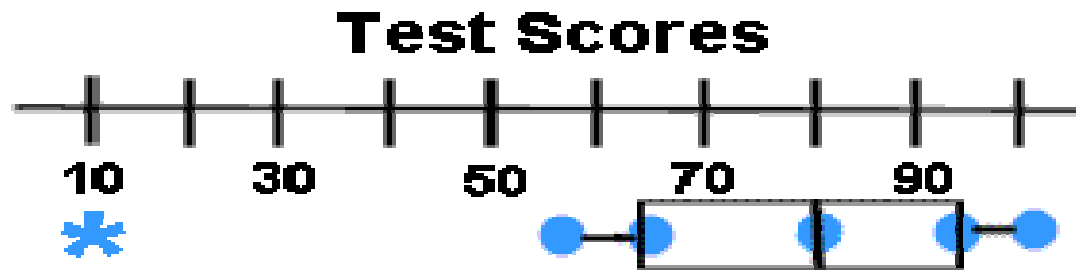
adjacent angles

2 5 8 11

This arithmetic sequence has a constant difference of 3.

A sequence with a constant difference between consecutive terms.

**arithmetic
sequence**

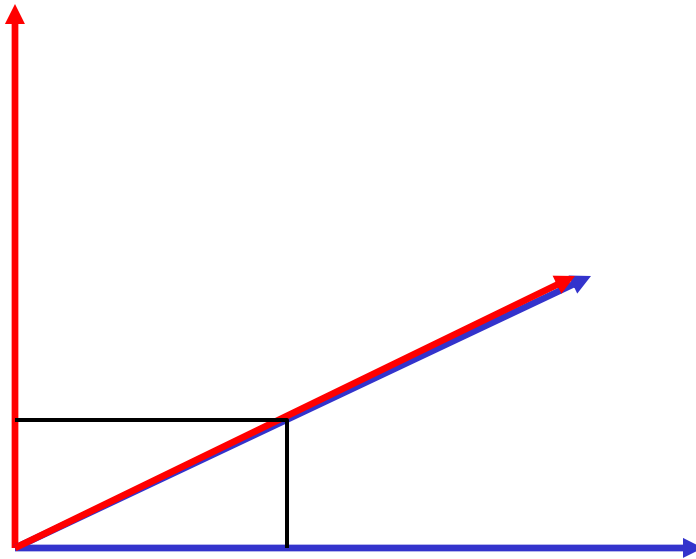


A graphical display that shows the media, quartiles, and extremes of a set of data. The display does not show any other specific data values.

box and whisker plot

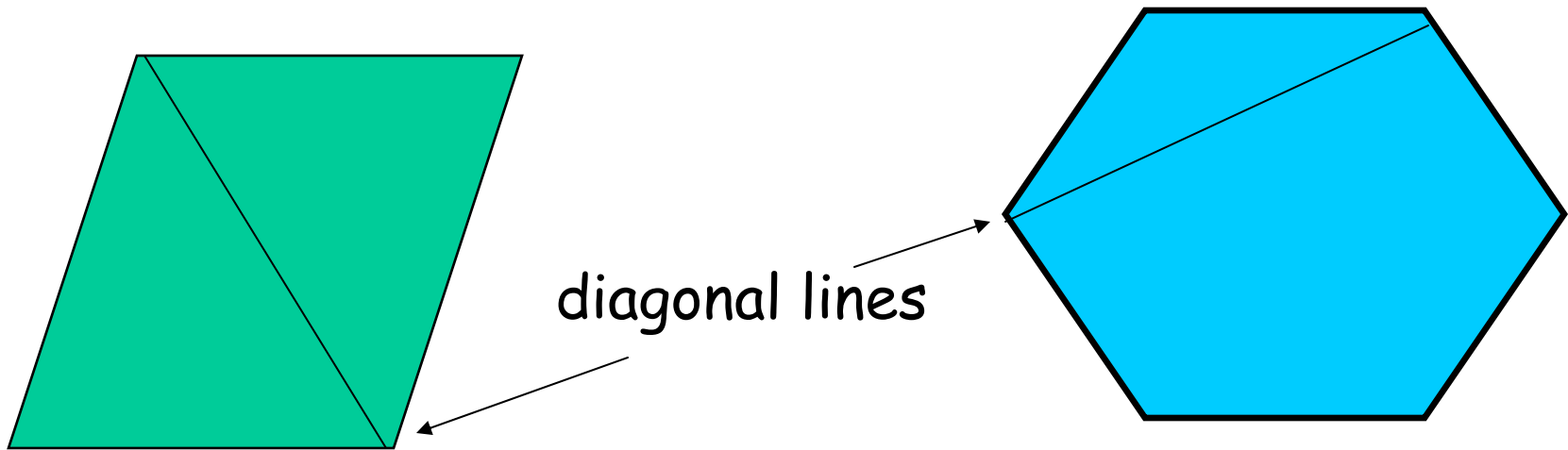
clarify

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Two angles whose sum equals 90° .

complementary angles



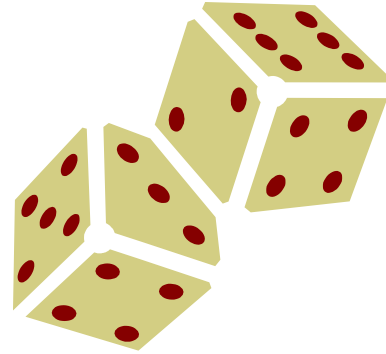
For a polygon in the plane, any line segment joining non-adjacent vertices.

diagonal

$$a(b + c) = ab + ac$$

A property which establishes a relationship between multiplication and addition such that multiplication distributes across the addition.

**distributive
property**



A probability calculated from the results of an experiment.

**experimental
probability**

exponent

$$3^4 = 3 \times 3 \times 3 \times 3$$

exponent

$$5^2 = 5 \times 5$$

A number which is placed to the right of and above another number (base). The value of the exponent determines how many times the base is used as a factor.

exponent

Score	Tally	Frequency
60-69		4
70-79	/ / /	16
80-89	/ / / / /	24
90-99	/	6

A display to show how often items, numbers, or a range of numbers occur.

frequency table

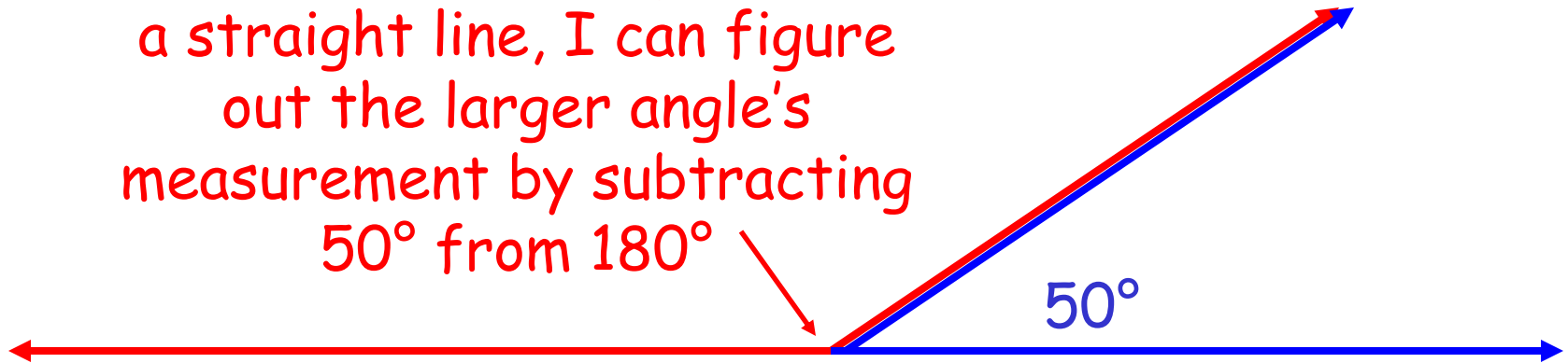
1 2 4 8 16

This geometric sequence has a ratio of 2.

A sequence with a constant ratio between two consecutive terms.

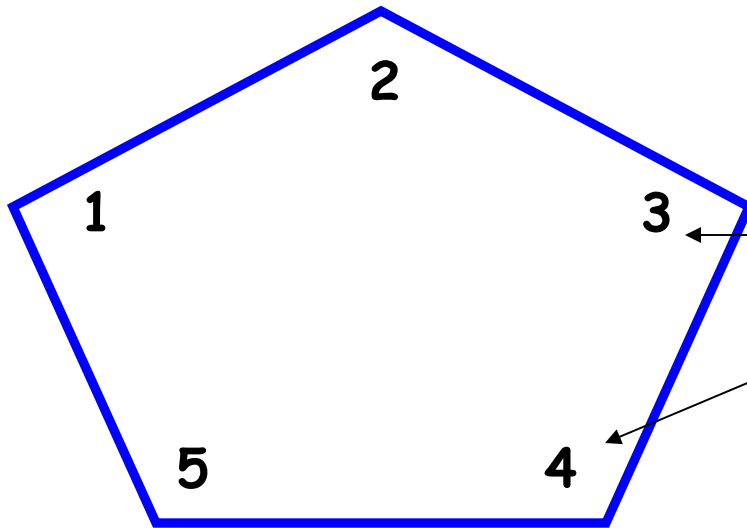
**geometric
sequence**

Since these two angles form a straight line, I can figure out the larger angle's measurement by subtracting 50° from 180°



A measurement which is found by using a formula or other strategy and not actually measuring something.

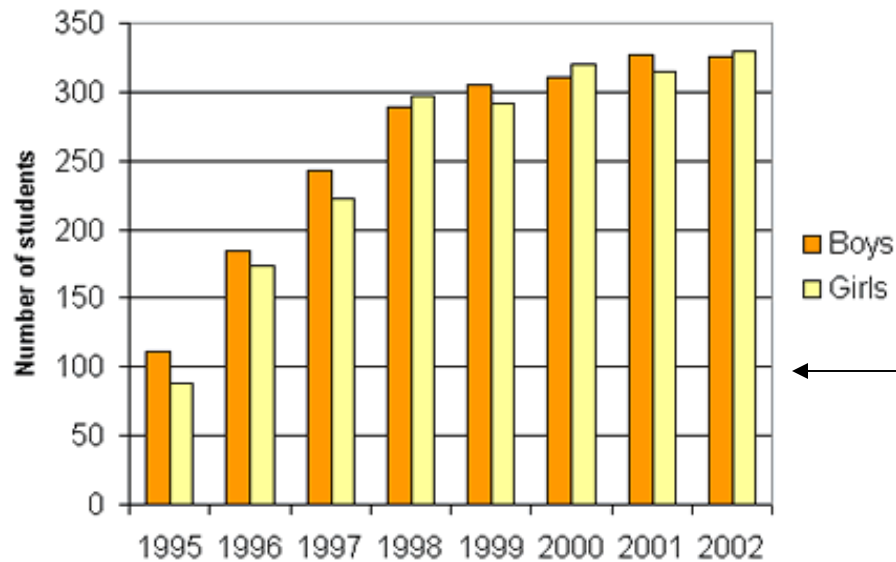
**indirect
measurement**



Angles 1 -5 in the pentagon are all interior angles.

An angle on the interior of a plane figure.

interior angle



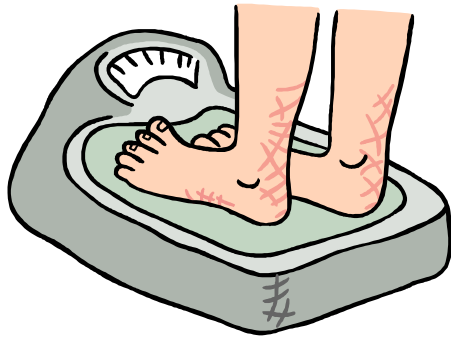
The scale on this graph is in intervals of 50.

The difference between successive values on a scale.

interval

justify

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An object's mass is proportional to its weight.

A concept in physics that tells us how much matter there is an object.

mass

Please Excuse My Dear Aunt Sally

First, do all operations that are in parentheses

Then, do all work that involves exponents

Third, solve multiplication and/or division from left to right

Finally, solve addition and/or subtraction from left to right

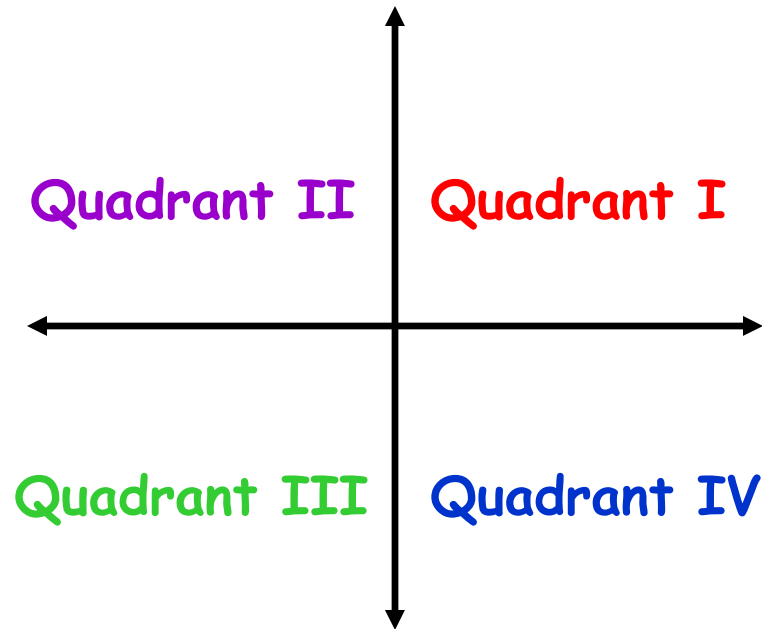
The rules to follow when more than one operation is used.

order of operations

8^3 is read as **eight to the third power** or **eight cubed**

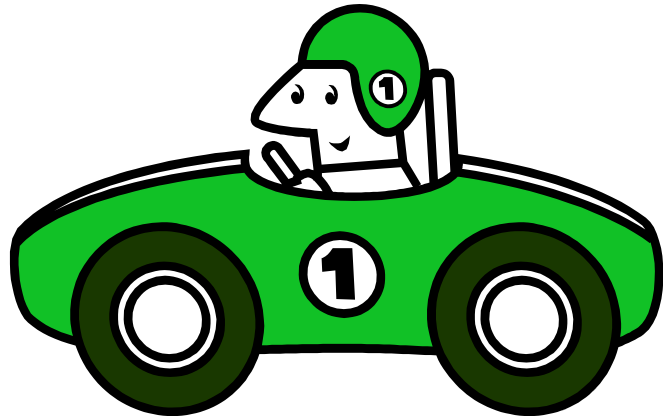
A number expressed using an exponent.

power



One of the four regions into which two perpendicular number lines separate the plane.

quadrant



We measure
this car's
speed in **miles**
per hour.

A ratio comparing two different units.

rate

$$8$$
$$2.33333$$
$$10.25$$
$$3/4$$

A real number that can be written as a quotient or ratio of two integers (a/b) where b is not equal to zero.

rational number

$$5/6 \times 6/5 = 1,$$

so the reciprocal of $5/6$ is $6/5$

Any two numbers whose product is 1.

reciprocal



randomly-
selected
students

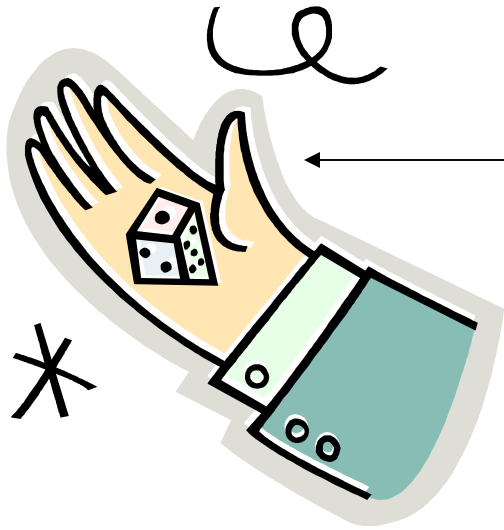


represent the
entire school



A randomly-selected group that is used to represent a whole population.

sample

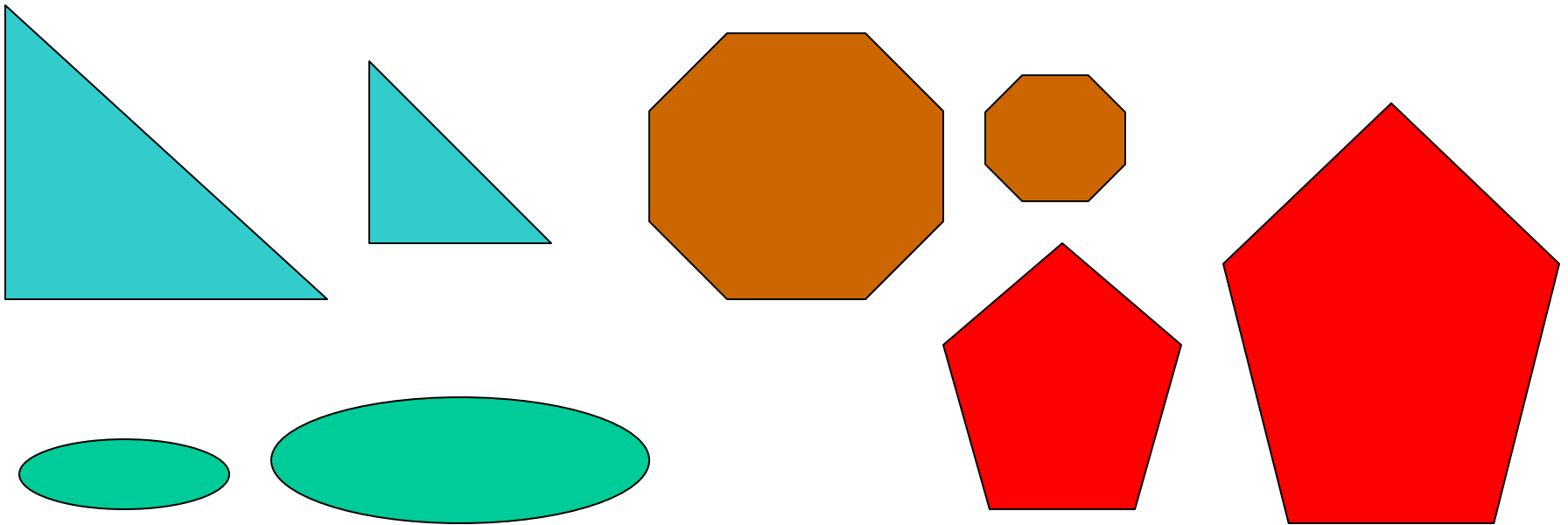


When rolling one die, your possible outcomes are a 1, 2, 3, 4, 5, or 6.

$\{1, 2, 3, 4, 5, 6\}$

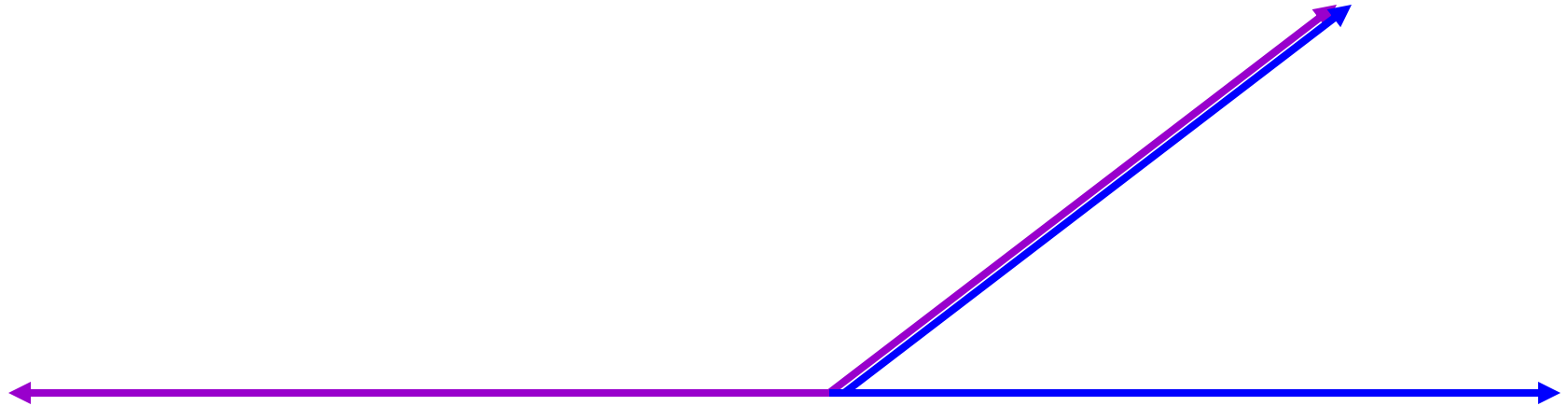
The set or collection of all possible outcomes of a probability experiment.

sample space



Two or more figures having the same shape, but not necessarily the same size.

similar



Two angles whose sum equals 180° .

supplementary angles



The chance of getting heads
when flipping a coin is
1 out of 2

A probability of a given event calculated from
mathematical counting techniques.

theoretical probability