How Frequently Does It Occur?	Battle Lines	On The Corollary	It's a Surprise!	Rhyme Time
200	200	200	200	200
400	400	400	400	400
600	600	600	600	600
800	800	800	800	800
1000	1000	1000	1000	1000

Theme Song

200

Vertical angles are _____ congruent.

What is always?

████████████

back

400

Two congruent adjacent angles are _____ right angles.

What is sometimes?

back

600

Two tangent lines to the same circle are _____ perpendicular to each other.

What is sometimes?

800

The radius of an equilateral triangle is _____ twice the length of the apothem.

What is always?

1000

A graph with an Euler path _____ has a Hamiltonian path.

What is sometimes?

200

Another name for non-coplanar lines.

What is skew?

back

400

When two lines intersect they form two pairs of these.

What are vertical angles?

600

The three types of angles that are congruent when parallel lines are cut by a transversal.

What are alternate interior, alternate exterior, and corresponding?

back

800

In a triangle, a line that is parallel to one side and half its length passes through these.

What are the midpoints of the other sides?

back

1000

Of the ways to prove lines parallel to each other, it's the one whose converse is not a consequence of having parallel lines.

What is showing that both are parallel to a third line?

back

200

A corollary is a specific type of this.

What is a theorem?

400

One of its corollaries is that each angle of an equiangular triangle has measure 60.

What is the Triangle Sum Theorem?

back

600

Among its corollaries is that an equilateral triangle is also equiangular.

What is the Isosceles Triangle Theorem (ITT)?

back

800

Among its corollaries is that if a quadrilateral is inscribed in a circle, then its opposite angles are supplementary.

What is that the measure of an inscribed angle is half the measure of its intercepted arc?

back

1000

One of its corollaries is that the perpendicular segment from a point to a line is the shortest segment from that point to that line.

What is *if one angle of a triangle is larger than a second angle, then the side opposite the first is larger than the side opposite the second* ?

back

200

This angle has a sine of 1/2.

What is 30?

400

The tangent of the angle whose cosine is √3/2.

What is √3/3?

600

The length of a leg of an isosceles right triangle with a hypotenuse of 16.

What is 8√2?

back

800

The secant of the angle whose cotangent is 1.

What is √2?

1000

These are the functions that are undefined at 90°.

What are secant and tangent?

back

200

A person who really enjoys the opposite over adjacent ratio

What is a tan fan?

400

A German mathematician who gives away punch lines

What is an Euler spoiler?

600

A clever ratio of a circumference to a diameter.

What is a sly pi?

back

800

A regular quadrilateral that freckles in the sun.

What is a fair square?

back

1000

A disinterested segment with endpoints on a circle.

What is a bored chord?

back