

Mathematical Mania

- * Signs & Symbols**
- * Formulas**
- * Greek Alphabet**
- * Roman Numerals**

Mathematical Signs & Symbols (Study Guide)

1.	+	addition	26.	'	minute (also foot)
2.	-	subtraction	27.	"	second (also inch)
3.	×	multiplication	28.	{ }	set
4.	÷	division	29.	∩	intersection (of sets)
5.	±	plus or minus	30.	∪	union (of sets)
6.	∠	angle	31.	⊂	is a subset of
7.	⌒	arc	32.	⊄	is not a subset of
8.	::	as, equal	33.	π	pi
9.	@	at	34.	0. $\overline{3}$	repeating decimal
10.	¢	cent	35.	√	square root
11.	\$	dollar	36.	∑	summation
12.	°	degree	37.	∈	is an element of
13.	.	decimal point	38.	⊥	line
14.	∅	empty set	39.	→	ray
15.	=	is equal to	40.	—	line segment
16.	≠	is not equal to	41.	m∠	measure of angle
17.	>	is greater than	42.	⊥	perpendicular
18.	<	is less than	43.		parallel lines
19.	≥	is greater than or equal to	44.	⊖	diameter
20.	≤	is less than or equal to	45.	⊙	radius
21.	≅	is congruent to	46.	⊓	right angle
22.	f	function	47.	()	parentheses
23.	∞	infinity	48.	[]	brackets
24.	5	absolute value of	49.	≈	is approximately equal to
25.	:	is to (ratio)	50.	(n) ²	exponent / power

Study Guide Sheet

FORMULAS

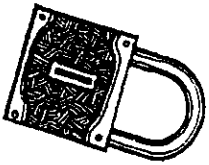
1. $P = a+b+c$ perimeter of triangle
2. $P = 2(l+w)$ perimeter of rectangle
3. $A = S^2$ area of square
4. $A = lw$ area of rectangle
5. $A = bh$ area of parallelogram
6. $A = \frac{1}{2}(b_1+b_2)h$ area of trapezoid
7. $A = \frac{1}{2}bh$ area of triangle
8. $V = lwh$ volume of rectangular solid
9. $V = Bh$ volume of prism
10. $V = \pi r^2 h$ volume of cylinder
11. $V = \frac{1}{3}Bh$ volume of pyramid
12. $V = \frac{1}{3}\pi r^2 h$ volume of cone
13. $C = \pi d$ circumference of circle
14. $A = \pi r^2$ area of circle
15. $A = 2\pi rh$ lateral area of cylinder
16. $A = 2\pi r^2 + 2\pi rh$ surface area of cylinder
17. $A = 2(lh+lw+wh)$ surface area of rectangular prism
18. $A = 4\pi r^2$ surface area of sphere
19. $a^2+b^2 = c^2$ Pythagorean Theorem
20. $V + F - E = 2$ Euler's Formula

Roman Numerals

1	I	8	VIII	60	LX
2	II	9	IX	70	LXX
3	III	10	X	80	LXXX
4	IV	20	XX	90	XC
5	V	30	XXX	100	C
6	VI	40	XL	500	D
7	VII	50	L	1,000	M

Greek Alphabet

A	alpha (a)	N	nu (n)
B	beta (b)	Ξ	xi (x)
Γ	gamma (g)	Ο	omicron (o)
Δ	delta (d)	Π	pi (p)
E	epsilon (e)	P	rho (r)
Z	zeta (z)	Σ	sigma (s)
H	eta (e)	T	tau (t)
Θ	theta (th)	Υ	upsilon (u,y)
I	iota (i)	Φ	phi (ph)
K	kappa (k)	X	chi (ch)
Λ	lambda (l)	Ψ	psi (ps)
M	mu (m)	Ω	omega (o)



The Village Blacksmith

Under a spreading chestnut-tree
The village smithy stands;
The smith, a mighty man is he,
With large and sinewy hands;
And the muscles of his brawny arms
Are strong as iron bands.

His hair is crisp, and black, and long,
His face is like the tan;
His brow is wet with honest sweat,
He earns whate'er he can,
And looks the whole world in the face,
For he owes not any man.

Week in, week out, from morn till night,
You can hear his bellows blow;
You can hear him swing his heavy sledge,
With measured beat and slow,
Like a sexton ringing the village bell,
When the evening sun is low.

And children coming home from school
Look in at the open door;
They love to see the flaming forge,
And hear the bellows roar,
And catch the burning sparks that fly—
Like chaff from a threshing-floor.

He goes on Sunday to the church,
And sits among his boys;
He hears the parson pray and preach,
He hears his daughter's voice,
Singing in the village choir,
And it makes his heart rejoice.

It sounds to him like her mother's voice,
Singing in Paradise!
He needs must think of her once more,
How in the grave she lies;
And with his hard, rough hand he wipes
A tear out of his eyes.

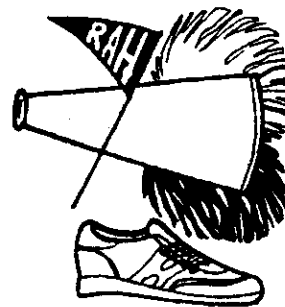
Toiling,—rejoicing,—sorrowing,
Onward through life he goes;
Each morning sees some task begin,
Each evening sees it close;
Something attempted, something done,
Has earned a night's repose.

Thanks, thanks to thee, my worthy friend,
For the lesson thou hast taught!
Thus at the flaming forge of life
Our fortunes must be wrought;
Thus on its sounding anvil shaped
Each burning deed and thought.

HENRY WADSWORTH LONGFELLOW



60 Prepositions



aboard
about
above
across
after
against
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among
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behind
below
beneath
beside
between
beyond
but
by
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except
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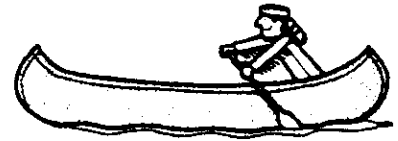
from
in
into
like
near
of
off
on
over
past
since
through
throughout
to
toward
under
underneath
until
unto
up
upon
with
within
without

according to
because of
in addition to
in front of
in place of
in regard to
in spite of
inside of
instead of
on behalf of
outside of
round about



U.S. Geography

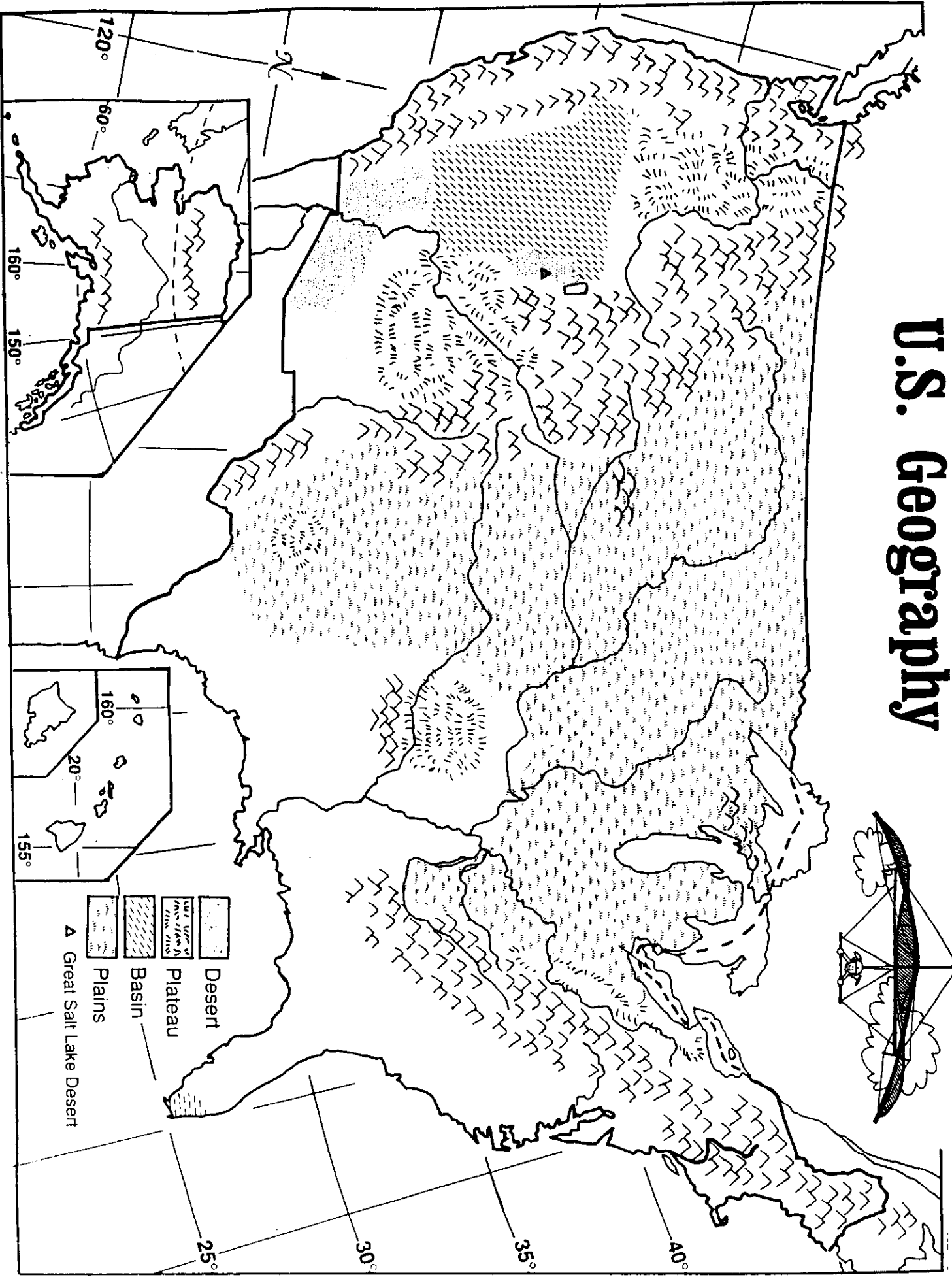
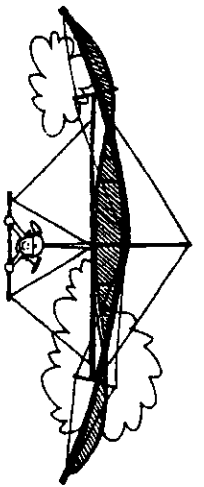
(Study Guide)



1. Atlantic Ocean
2. Pacific Ocean
3. Gulf of Mexico
4. Gulf of Alaska
5. Puget Sound
6. Snake River
7. Columbia River
8. Missouri River
9. Mississippi River
10. Colorado River
11. Rio Grande
12. Arkansas River
13. Ohio River
14. St. Lawrence River
15. Hudson River
16. Potomac River
17. Cumberland River
18. Tennessee River
19. Platte River (No./So.)
20. Yukon River
21. Delaware Bay
22. Chesapeake Bay
23. San Francisco Bay
24. Great Salt Lake
25. Crater Lake
26. Great Lakes
*Superior *Erie
*Ontario *Huron
*Michigan

27. Niagara Falls
28. Bering Strait
29. Pearl Harbor
30. Columbia Plateau
31. Ozark Plateau
32. Colorado Plateau
33. Alaska Range
34. Brooks Range
35. Coast Ranges
36. Sierra Nevada
37. Cascade Mts.
38. Rocky Mts.
39. Appalachian Mts.
40. Black Hills
41. Cape Cod
42. Great Plains
43. Great Basin
44. Mojave Desert
45. The Everglades
46. Grand Canyon
47. Long Island
48. Aleutian Islands
49. Vancouver Island
50. Hawaiian Islands
*Hawaii *Lanai
*Kauai *Maui
*Niihau *Oahu
*Molokai

U.S. Geography



Study Guide

U.S. Presidents "Who's Who"



1. List the presidents of the United States in order.
2. Name an interesting fact *and/or* a significant contribution of each president during his administration.
3. Name the presidents who are on the United States currency and coins.

Presidents who make Cents:

penny, nickel, dime, quarter, half dollar, silver dollar

Presidents from the Hill to the Bill:

\$ 1, 2, 5, (10), 20, 50, (100), 500, 1,000, 5,000, (10,000), 100,000

4. Identify specific significant administration highlights.
 - Which president(s) served in office during the following? :
 1. The capital was moved from Philadelphia to Washington, D.C.
 2. Lewis and Clark Expedition
 3. War of 1812
 4. Black Hawk War
 5. The Alamo
 6. Seminole War
 7. The Mexican War
 8. California Gold Rush
 9. Civil War
 10. 13th Amendment abolished slavery
 11. Reconstruction Act
 12. France gave Statue of Liberty to U.S.
 13. Spanish-American War
 14. WWI
 15. 19th Amendment allowed women the right to vote
 16. Stock Market Crash . . . start of The Great Depression
 17. WWII
 18. Korean War
 19. Cuban Missile Crisis
 20. U.S. entered Vietnam War
 21. First U.S. astronaut walked on the moon
 22. Watergate
 23. Persian Gulf War
 24. Bombing in Atlanta at Olympics
 25. September 11th – Operation Freedom / War on Terrorism

5. Identify the “Who’s Who” among U.S. Presidents.

- Who Am I?

1. Father-Son presidents (2)
2. Grandfather-Grandson presidents (1)
3. Wrote Declaration of Independence
4. First president to live in the White House
5. Only president to later serve as Chief Justice of the Supreme Court
6. Oldest president
7. Youngest president
8. Youngest “elected” president
9. Tallest president
10. Shortest president
11. Served the longest number of terms
12. Served the shortest number of terms (only 1 month)
13. Only president elected unanimously
14. Only president to resign
15. Impeached, but not convicted (2)
16. First vice president to replace a president
17. Only vice president not elected by the people to become president
18. Served two terms but not consecutively
19. Last Whig president
20. Only bachelor president
21. Most number of children (15 kids in all)
22. In order, name the presidents assassinated while in office (4)
23. How many Democrats served as president
24. How many Republicans served as president
25. Name the presidents in your lifetime

U.S. PRESIDENTS "Who's Who"
(STUDY GUIDE)

I. Which president(s) served in office during the following significant administration highlights:

1. The capital was moved from Philadelphia to Washington, D.C.
2. Lewis and Clark Expedition
3. War of 1812
4. Black Hawk War
5. The Alamo
6. Seminole War
7. The Mexican War
8. California Gold Rush
9. Civil War
10. 13th Amendment abolished slavery
11. France gave Statue of Liberty to U.S.
12. Spanish-American War
13. WWI
14. The Stock Market,
Start of Great Depression
15. WWII
16. Korean War
17. Cuban Missile Crises
18. Vietnam War
19. First U.S. astronaut walked on the moon
20. Desert Storm -- War with Iraq



II. Identify the presidents with the following clues:

1. I was the only president to resign
2. I was the first vice president to replace a president
3. We were the only grandfather and grandson presidents
4. I wrote the Declaration of Independence
5. I was the fourth president to be assassinated
6. I served the longest number of terms
7. I was the third president to be assassinated
8. I served the shortest number of terms
9. I was the only president elected unanimously
10. I was the youngest president
11. I was only 1 vote from impeachment
12. I was the only vice president not elected by the people to become president
13. I was the first president to be assassinated
14. I was the first president to live in the White House
15. We were the only father and son presidents
16. I was the only man to serve as president and later as Chief Justice of the Supreme Court
17. I was the oldest president
18. I was the youngest elected president
19. I was the tallest president
20. I was the second president to be assassinated

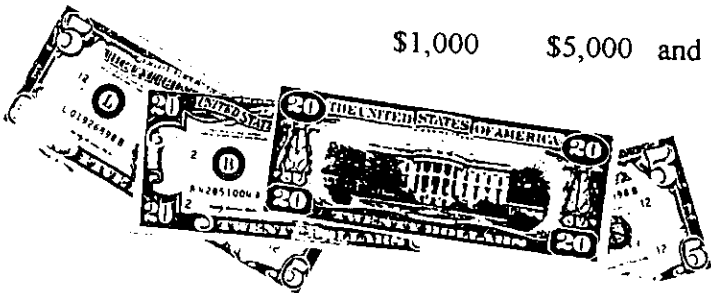
37. I was the first president born west of the Rocky Mountains. I was praised for my foreign policy, and was the first U.S. president ever to visit Communist China. To avoid impeachment as a result of the "Watergate Scandal," I became the first president to resign from office.
38. I was a football and boxing coach at Yale University while studying law. I was the only unelected president. When the president's vice president resigned, I took his place. Then when the president resigned, I became president. One of my first acts as president was to grant a full pardon to the former president. While president, the nation celebrated its 200th birthday.
39. I was the first Southern president in over 100 years, and the first president born in a hospital. Though I was the only president who graduated from the U.S. Naval Academy, I ran my father's peanut business. As president, I played a key role in making peace between Israel and Egypt. My main concern was human rights around the world.
40. I appeared in more than 50 movies during my 27-year career as an actor. I met with Soviet Union leader, Mikhail Gorbachev, and signed a treaty limiting nuclear forces. Being the oldest man elected as president, I was surprised I survived the bullet wound to my chest during my first year in office. I was also the first president to appoint a woman to the Supreme Court.
41. I served as vice president to the first president who had been a Hollywood celebrity. I reacted to Iraq's invasion of Kuwait by sending U.S. troops to the Persian Gulf. Along with other allied nations, I launched air and missile attacks on Iraq. After a month, Kuwait was freed from Iraq, and I became a hero.
42. The highlight of my childhood was attending a summer camp in North Little Rock that trained young men to be leaders. I ran for Boys State Senator and won. As a prize, I went to the White House and shook hands with President Kennedy. After years of studying law, I taught at the University of Arkansas, and later became the governor of Arkansas. I talked about having "the courage to change."

Which presidents are on the following U.S. currency and coins:

Coins: penny, nickel, dime, quarter, half dollar, silver dollar

Bills: \$1 \$2 \$5 \$20 \$50 \$500

\$1,000 \$5,000 and \$100,000



29. I was the only president to be a newspaper publisher. My wife and I ran a very successful newspaper (the *Marion Star*) in Ohio before I became involved in politics. As president, I appointed friends to serve as my cabinet and allowed them to make most of the decisions. I later became very ill after discovering they were involved in many government scandals.
30. My wife was the first president's wife to graduate from college, and was a teacher for the deaf. I settled the scandals that occurred during the presidential administration before me, and reduced the national debt. I was more popular than ever after serving nearly six years, but was too unhappy to run for re-election because my son had recently died of blood poisoning.
31. I was a famous mining engineer and traveled with other geologists all over the world, discovering gold in Australia and China. During WWI, I was responsible for bringing food to millions of people in Belgium and France. The New York Stock Market crashed when I was president, causing the Great Depression. I was a millionaire, and refused to accept a salary as president.
32. I was the fifth cousin of a former president. In fact, I married his niece. My wife was the most politically active first lady, and later was a United Nations delegate. I was president during the worst depression in American history. I created a program called the "New Deal," which used public funds to create jobs and provide food and shelter for the homeless. I was the only president elected to serve four terms. WWII was in progress during my third and fourth terms. Since my presidency, the 22nd Amendment was created, allowing a president to serve only two consecutive terms.
33. I was the only modern president who did not attend college; I was a farmer. I was sworn into office following the sudden death of the president. I ended WWII by dropping two atomic bombs on Japan.
34. As a graduate of West Point (first president since Grant), I served many years in military leadership. I led an invasion during WWII which freed Europe from Hitler's control. I was well liked by my countrymen and many foreign politicians. In fact, I visited more countries than any earlier president, 27 in all.
35. I was the first president born in the 1900's and the first Catholic to be president. At 43, I became the youngest and wealthiest man ever elected president. I forced the Soviet Union to withdraw its missiles from Cuba and sponsored the Peace Corps and a space project to land a man on the moon. I never lived to see the first U.S. astronaut set foot on the moon because I was shot and killed by an assassin while riding in a motorcade in Dallas.
36. While serving as U.S. vice president, I was with the president in Texas when he was shot. I was sworn in as president two hours later on a plane back to Washington, D.C. During my presidency, I named the first black American to the Supreme Court. I passed many new laws, including the Civil Rights Act, a major education bill, a new tax law, and a food stamp plan. The Vietnam War was at its peak, and U.S. citizens were extremely upset about U.S. troops being in Vietnam.

20. I was the last president born in a log cabin and the first college president to become president. I was an officer during the Civil War. Soon after I became president, many people came to Washington seeking government jobs, but I could not give a job to everyone who asked. Less than four months after taking office, I was entering a railroad station when a man whom I had not given a job walked up and shot me. I died two and one-half months later.
21. I was a big man with a big heart. When I was vice president, I took the oath to become president the day after my boss was assassinated. While president, I made it so that people applying for government jobs had to pass a written examination. I traveled more than earlier presidents. Since I was a widower, my sister acted as first lady.
22. My wife and I were the only couple to be married in the White House. My wife, the youngest president's wife, had a baby in the White House. I was the only president to serve two separated terms. The Klondike Gold Rush occurred during my second term as president.
23. While I was president, electric lights were installed in the White House. Idaho became part of the Union during my presidency. I was the only grandson of a president to become president.
24. In 1886, I dedicated the Statue of Liberty in New York Harbor. I forced the railroads to return eighty-one million acres of government land they had taken illegally. My wife held Saturday receptions so working women could attend. I was the only president to serve two separated terms.
25. The tallest mountain in North America was named after me. The Spanish-American War occurred during my presidency. Hawaii became a U.S. territory during my rule. I won a second term in office, but was assassinated less than a year later.
26. During my early years of politics, I wrote history books, served in the New York state legislature, and was police commissioner of New York City. I later became Assistant Secretary of the Navy, and led the Rough Riders in a famous charge up Cuba's San Juan Hill during the Spanish-American War. At 42, I was the youngest president. I was the first president to protect our wilderness, and after a cartoon showed me with a bear cub, the "teddy bear" became a popular toy.
27. I was the only president to later head the Supreme Court. I was the first president to toss the first ball of the baseball season. New Mexico and Arizona became part of the Union during my presidency. I was the first to name a woman to a high government post, the Children's Bureau.
28. I was the last president to ride to my inauguration in a horse-drawn carriage. One year after I became president WWI broke out in Europe and my first wife died. I remarried a year later. As president, I was in poor health from overwork, and suffered a stroke. My wife was my link to the outside world so she ran the government for almost two months.

10. I was the first vice president to replace an elected president. I was the first to marry while in office, and had the most children of any other president -- 15! Later in life, I became the only former president to take part in the Confederacy.
11. During my term, America went to war with Mexico. My wife was the only first lady to be a president's official secretary. The first postage stamp was issued during my presidency.
12. I was the first professional soldier to become president. My wife had no interest in politics, so our daughter served as first lady. I was against slavery and wanted to add New Mexico and California to the country as "free states." After serving only sixteen months as president, I suffered a sunstroke on a hot Fourth of July, and died in the White House five days later.
13. When I was 18, I went to school for the first time. I later married my teacher. She became the first president's wife to work after marriage. I modernized the White House and installed the first bath tub with running water. I am best known for opening trade with Japan.
14. My wife and I had three sons, but two died as babies. I was the youngest senator of my time, then later fought in the Mexican War. I did not have a happy presidency. Two months before I was elected, my only surviving son died when a train we were riding on derailed. As president, I passed the Kansas-Nebraska Act which allowed settlers in Kansas and Nebraska to vote for or against slavery.
15. I was the only president who did not marry. My niece, Harriet Lane, acted as my first lady. She later willed her art collection to the nation.
16. I was president during the four hard years of the Civil War, and dedicated a national cemetery on the battlefield at Gettysburg, Pennsylvania, where 7,000 men had died. I issued the Emancipation Proclamation which freed three million African-American slaves. Six foot four inches, I was the tallest president. I was the first president to be killed in office. I was shot at Ford's Theater in Washington, D.C. just five days after the end of the Civil War.
17. I was the only president never to attend school. My wife taught me how to read and write when I was an adult. I became president days after the Civil War ended. I was in charge of reconstructing the South. The 13th Amendment, which abolished slavery, was proclaimed when I was president. I was only one vote away from being impeached by Congress.
18. I was the first president to graduate from the U.S. Military Academy. During the Civil War, I was in charge of all the U.S. armies. During my presidency, the 15th Amendment was proclaimed, granting citizens the right to vote, regardless of race. While president, the nation celebrated its 100th birthday.
19. My wife was the first president's wife to take a stand on the issues of the day. She worked hard to abolish slavery. During my term, Alexander Graham Bell installed the first telephone in the White House.

U.S. PRESIDENTS "Who's Who" (STUDY GUIDE)



1. I was the only president elected unanimously. I was the only president to not live in the White House. The Bill of Rights became part of the Constitution during my presidency. I am known as the "Father of our Country."
2. Though it was not finished when my wife and I moved in, we were the first couple to live in the White House. I was chosen by my good friend, Thomas Jefferson, to help write the Declaration of Independence.
3. I was a self-taught architect, a scientist, an inventor, and a fine musician. I would rather write than speak in front of people. Because I was a good writer, I was selected to write the Declaration of Independence. I bought the Louisiana Purchase from France for only three cents an acre. My collection of books (6,000 in all) helped start the Library of Congress.
4. I was called the "Father of the Constitution" because I took the lead in its creation. During the War of 1812, the British captured Washington and set fire to the White House. My wife became a hero by saving many important papers and a portrait of George Washington. After the war, we returned to Washington only to find the Executive Mansion stained black from the smoke and fire. The mansion was repainted with white paint, and from then on it was known as the "White House."
5. I studied law with my good friend Thomas Jefferson. The damage done to the White House during the War of 1812 was restored during the first year of presidency. My daughter's wedding was the first to take place in the White House.
6. I was the only son of a president to be president. My wife was the only first lady born in England. I opposed slavery, and continued to argue in Congress for eight years against owning slaves.
7. I was the first president born in a log cabin. At 13, while fighting in the Revolutionary War, I was captured by the British. I was cut on the face by a British officer's sword for refusing to polish his boots. I fought for the common man, not just the wealthy.
8. I was the first president born in the U.S. rather than a colony. I was a lawyer by 20 years of age. My political life was great until I became president. My wife passed away so my daughter-in-law served as first lady. I had been in office only two years when the nation was in financial panic. Banks closed, mills shut down, and workers lost their jobs. This financial depression lasted the rest of my term.
9. I was a hero after 800 volunteers and I defeated the Shawnee Indians. At the age of 68, I won the office of presidency by a landslide. I wanted to show that I was still in good health, so I delivered my speech as I rode horseback in a parade for two hours. Unfortunately, I caught pneumonia due to the cold weather and rain. One month later, I was the first president to die in office.

U.S. PRESIDENTS "Who's Who"

(STUDY GUIDE)

<i>President / Party / Term</i>	<i>Vice-President(s)</i>
1. George Washington / Fed. / 1789-1797	John Adams
2. John Adams / Fed. / 1797-1801	Thomas Jefferson
3. Thomas Jefferson / Dem.-Rep. / 1801-1809	Aaron Burr, George Clinton
4. James Madison / Dem.-Rep. / 1809-1817	George Clinton, Elbridge Gerry
5. James Monroe / Dem.-Rep. / 1817-1825	Daniel D. Tompkins
6. John Quincy Adams / Dem.-Rep. / 1825-1829	John C. Calhoun
7. Andrew Jackson / Dem. / 1829-1837	John C. Calhoun, Martin Van Buren
8. Martin Van Buren / Dem. / 1837-1841	Richard M. Johnson
9. William H. Harrison / Whig / 1841	John Tyler
10. John Tyler / Whig / 1841-1845	None
11. James Knox Polk / Dem. / 1845-1849	George M. Dallas
12. Zachary Taylor / Whig / 1849-1850	Millard Fillmore
13. Millard Fillmore / Whig / 1850-1853	None
14. Franklin Pierce / Dem. / 1853-1857	William R. King
15. James Buchanan / Dem. / 1857-1861	John C. Breckinridge
16. Abraham Lincoln / Rep. / 1861-1865	Hannibal Hamlin, Andrew Johnson
17. Andrew Johnson / Dem. / 1865-1869	None
18. Ulysses S. Grant / Rep. / 1869-1877	Schuyler Colfax, Henry Wilson
19. Rutherford B. Hayes / Rep. / 1877-1881	William A. Wheeler
20. James A. Garfield / Rep. / 1881	Chester A. Arthur
21. Chester A. Arthur / Rep. / 1881-1885	None
22. Grover Cleveland / Dem. / 1885-1889	Thomas A. Hendricks
23. Benjamin Harrison / Rep. / 1889-1893	Levi P. Morton
24. Grover Cleveland / Dem. / 1893-1897	Adlai E. Stevenson
25. William McKinley / Rep. / 1897-1901	Garret Hobart, Theodore Roosevelt
26. Theodore Roosevelt / Rep. / 1901-1909	Charles W. Fairbanks
27. William H. Taft / Rep. / 1909-1913	James S. Sherman
28. Woodrow Wilson / Dem. / 1913-1921	Thomas R. Marshall
29. Warren G. Harding / Rep. / 1921-1923	Calvin Coolidge
30. Calvin Coolidge / Rep. / 1923-1929	Charles G. Dawes
31. Herbert Hoover / Rep. / 1929-1933	Charles Curtis
32. Franklin D. Roosevelt / Dem. / 1933-1945	John N. Garner, Henry A. Wallace, Harry S. Truman
33. Harry S. Truman / Dem. / 1945-1953	Alben W. Barkley
34. Dwight D. Eisenhower / Rep. / 1953-1961	Richard M. Nixon
35. John F. Kennedy / Dem. / 1961-1963	Lyndon B. Johnson
36. Lyndon B. Johnson / Dem. / 1963-1969	Hubert H. Humphrey
37. Richard M. Nixon / Rep. / 1969-1974	Spiro T. Agnew, Gerald R. Ford
38. Gerald R. Ford / Rep. / 1974-1977	Nelson Rockefeller
39. James E. Carter / Dem. / 1977-1981	Walter F. Mondale
40. Ronald Reagan / Rep. / 1981-1989	George H. W. Bush
41. George H. W. Bush / Rep. / 1989-1993	J. Danforth Quayle
42. William J. Clinton / Dem. / 1993 - _____	Albert Gore Jr.

Political Parties:

Fed. (Federalist) Dem.-Rep. (Democratic-Republican) Whig
Dem. (Democrat) Rep. (Republican)

U.S. PRESIDENTS "Who's Who"
(STUDY GUIDE)

1. George Washington
2. John Adams
3. Thomas Jefferson
4. James Madison
5. James Monroe
6. John Quincy Adams
7. Andrew Jackson
8. Martin Van Buren
9. William H. Harrison
10. John Tyler
11. James Knox Polk
12. Zachary Taylor
13. Millard Fillmore
14. Franklin Pierce
15. James Buchanan
16. Abraham Lincoln
17. Andrew Johnson
18. Ulysses S. Grant
19. Rutherford B. Hayes
20. James A. Garfield
21. Chester A. Arthur
22. Grover Cleveland
23. Benjamin Harrison
24. Grover Cleveland
25. William McKinley
26. Theodore Roosevelt
27. William H. Taft
28. Woodrow Wilson
29. Warren G. Harding
30. Calvin Coolidge
31. Herbert C. Hoover
32. Franklin D. Roosevelt
33. Harry S. Truman
34. Dwight D. Eisenhower
35. John F. Kennedy
36. Lyndon B. Johnson
37. Richard M. Nixon
38. Gerald R. Ford
39. James E. Carter
40. Ronald W. Reagan
41. George H. W. Bush
42. William J. Clinton



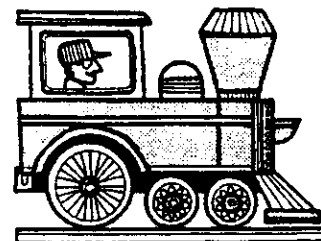
Study Guide

Prefixes	Root Words	Suffixes
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1. Write the definition of each prefix, root word, and suffix.
2. Give two examples of each word.

Example: how question will be on the test

alti-	high, height	altitude, altimeter
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PREFIXES	ROOT WORDS	SUFFIXES
1. anti-	alter	-able, -ible
2. bi-	astr-, astro-	-ar, -er, -or, -r
3. dis-	aut-, auto-	-ful
4. ex-	cogna-, cogni-	-hood
5. fore-	dict-	-ion, -tion
6. hyper-	-gram	-ism
7. inter-	hem-, hema-, hemo-	-ist
8. micro-	locus-	-less
9. mis-	nomy-	-logy
10. mono-	phil-, philo-	-logue
11. pre-	psych-, psycho-	-ly
12. sub-	secare, sectum	-ment
13. tele-	techno-	-ness
14. trans-	terra	-ship
15. un-	therm-, thermo-	-ward

F

8

3

Forty percent equivalents

THE MAD MINUTE

$\frac{3}{100} \square$

$\frac{9}{10} \square$

$\frac{3}{20} \square$

$.25 \square$

$\frac{1}{10} \square$

$\frac{4}{5} \square$

$\frac{1}{5} \square$

$.05 \square$

$.9 \square$

$1\frac{1}{2} \square$

$1 \square$

$\frac{1}{10} \square$

$.2 \square$

$\frac{2}{3} \square$

$\frac{7}{10} \square$

$\frac{1}{4} \square$

$\frac{3}{4} \square$

$\frac{28}{100} \square$

$\frac{12}{25} \square$

$\frac{3}{5} \square$

$.6 \square$

$.3 \square$

$.7 \square$

$.36 \square$

$\frac{1}{25} \square$

$\frac{25}{50} \square$

$.99 \square$

$2 \square$

$.75 \square$

$\frac{9}{20} \square$

$.01 \square$

$.1 \square$

$\frac{76}{100} \square$

$\frac{2}{5} \square$

$\frac{3}{10} \square$

$\frac{1}{20} \square$

$.5 \square$

$.4 \square$

$.88 \square$

$\frac{1}{20} \square$

F

8

4

Forty percent equivalents

THE MAD MINUTE

$\frac{1}{10}$

$\frac{2}{3}$

1

$\frac{19}{20}$

.05

$\frac{1}{5}$

$\frac{1}{4}$

$\frac{1}{3}$

$\frac{3}{4}$

$\frac{4}{5}$

$\frac{13}{25}$

.25

$\frac{2}{5}$

.38

.6

$\frac{7}{10}$

$\frac{3}{20}$

$\frac{3}{5}$

.99

2

.3

.7

$\frac{24}{25}$

.4

$\frac{9}{20}$

$\frac{1}{50}$

$1\frac{1}{2}$

.75

.02

$\frac{1}{20}$

.24

$\frac{3}{10}$

.5

.9

$\frac{9}{10}$

.1

.53

.01

.25

.2

F**8****5**

Forty percent equivalents

THE MAD MINUTE

$\frac{1}{3}$

$\frac{2}{5}$

$\frac{25}{50}$

$\frac{1}{10}$

$\frac{7}{10}$

$\frac{3}{4}$

$\frac{1}{20}$

$\frac{4}{5}$

2

.6

$\frac{1}{2}$

.1

$\frac{14}{25}$

.4

.26

.01

.11

$\frac{8}{25}$

.25

$\frac{9}{10}$

$\frac{19}{25}$

$\frac{19}{20}$

$\frac{1}{4}$

.04

$\frac{2}{3}$

.99

$\frac{3}{5}$

$\frac{1}{5}$

$\frac{3}{10}$

.37

$\frac{2}{4}$

.75

$\frac{9}{10}$

.2

.02

.5

.05

$\frac{3}{20}$

$\frac{6}{25}$

$1\frac{1}{4}$