We have learned that nouns name persons, We have learned the six classes of places, things, or ideas. Nouns can function pronouns. A pronoun takes the in the following ways. place of a noun. Noun Functions Classes of Pronouns subject predicate nominative personal direct object Interrogative indirect object demonstrative object of preposition relative appositive reflexive noun of direct address Indefinite

A noun or pranoun has been underlined in each activity below. On the line indicate whether the underlined word functions as a subject, predicate nominative, direct object, indirect object, object of preposition, appositive, or noun of direct address.

Applying Wisdom Principles

(1)	One of the changes resulting from Mr. Washington's death affected George's schooling.	ted the trivel of the
(2)	He would not be able to travel to England, as his brothers had done.	
(3)	Instead, he attended a one-room school, which stood in a nearby field.	
(4)	During those seven or eight years, George excelled in math.	
(5)	He loved to add, subtract, and measure.	
(6)	As a wise boy, he developed his God-given talents.	
(7)	At home, George's mother gave him daily instruction in Scriptural principles.	
(8)	The character and wisdom gained from this training are seen in his later <u>life</u> .	
(9)	George had applied the wisdom principle of Proverbs 1:8.	
(10)	"My son forsake not the law of thy mother."	
(11)	His decision to obey this commandment brought George Washington honor many times.	
(12)	Thomas Jefferson, another famous man, said of him,	
(13)	"He was indeed a wise man "	

Proportions and Properties of Proportions

A proportion is an equation stating that two ratios are equal. It is written in the form of $\frac{a}{b} = \frac{b}{2}$ where b and d are not equal to zero. The following are some examples of proportions:

$$\frac{12}{36} = \frac{1}{3}$$
 $\frac{1}{2} = \frac{4}{8}$ $\frac{2}{3} = \frac{10}{15}$

Each of the positions in the proportion $\S = \S$ is numbered. The first term is a, b is the second term, c is the third term, and d is the fourth term.

first term
$$\frac{4}{9} = \frac{12}{27}$$
 third term second term $\frac{4}{9} = \frac{12}{27}$ fourth term

In any proportion, the first and fourth terms are called the extremes, and the second and third terms are called the means. Proportions are also written in the form 4.9 = 12.27. In this case, the extremes appear on the outside of the equation, and the means appear on the inside.

Theorem 84: In a proportion, the product of the extremes equals the product of the means.

Complete this proof of Theorem 84. Remember: You may abbreviate the reasons if you like, but do not include the postulate or theorem numbers. (They are provided for reference only.)

Prove:
$$a(d) = b(c)$$
.

1. Proof

Statements	Reasons		
1. $\frac{a}{b} = \frac{c}{d}$	1		
2. $\frac{d}{b}(bd) = \frac{c}{d}(bd)$.	2.		
3. $\frac{a}{b}(\frac{bd}{1}) = a(d); \frac{c}{d}(\frac{bd}{1}) = c(b).$	3. Multiplication.		
 a(d) = c(b). 	 Substitution Property. a(d) was substituted for \(\frac{1}{2}\)(\frac{1}{2}\), and \(\chi(b)\) was substituted for \(\frac{1}{2}\)(\frac{1}{2}\). 		
5. $\therefore u(d) = h(c)$.	 Commutative Property. c(b) = b(c) 		

Note: In the proportion $\hat{y} = \frac{4}{6}$, the extremes are 2 and 6, and the means are 3 and 4. The product of 2 and 6 is 12, and the product of 3 and 4 is 12. This is one way to determine if two ratios form a true proportion. If any three terms of a proportion are known, the fourth can be solved using Theorem 84.

Example:

Solve for x in this proportion. $\frac{x}{4} = \frac{3}{4}$

- 1. Multiply the extremes. x(4) = 4x
- 2. Multiply the means. 8(3) = 24
- 3. Set the products equal to each other. 4x = 244. Solve for the unknown. x = 6

(89)	In the potass	ium nitrate comp	bound, KN	O ₃ , the nitrate ra	dical, NO ₃ , has	a valence of
	-1, so the po	otassium, K, mus	t have a	valence of	-	
(90)	The calcium in	calcium nitrate	Ca(NO ₃) ₂	, must have a va	lence of	and the
	aluminum in a	duminum nitrate,	AI(NO ₃) ₃ ,	must have a vale	ence of	
On ec	ch blank, write	the valence nur	mber of ea	ach of these meta	l lons.	
(91)	copper(I)			(93) tin(IV)		
(92)	cobalt(III)			(94) mercury(II)		
Analyz	e these formul ents, and the n	as by filling in t	he blanks as of the r	with the number adicals.	of atoms, the	names of the
(95)	$AI(HCO_3)_3 =$	atom(s)				
		atom(s)		_		
		atom(s)		_>_		radical(s)
		atom(s)	alt fend			
(96)	(NH ₄) ₃ PO ₄ = _	atom(s)	- (III)			27 22 22 2
		atom(s)		>-		radical(s)
		atom(s)				
		atom(s)		>-		radical(s)
THINK	Write the che element or rad	mical formulas fo ical so that the	or these co	mpounds. Be sure	to include end	ough atoms of
(97)	Magnesium nit (The valence o), is +2; t	he valence of the	nitrate radical,	NO ₃ , is -1.)
(98)	Tin(IV) oxide (The symbol fo		e, the ion	of oxygen, has a	valence of -	2.)
(99)	Silver nitrate : (Silver, Ag, ha		+1; nitrate	, NO ₃ , has a vale	nce of -1.)	
(100)	Lead(II) sulfate (The symbol fo		sulfate re	odical, SO ₄ , has a	valence of -:	2.)
THINK	Write the nam	nes of these ionic	c compoun	ds.		
	CoSO ₄ =					
	(Ca is the sym	bol for calcium;	SO4 is the	symbol for the s	ulfate radical.)	
(102)	CuO =				10	
				oxide, the ion copper is used in		

- The county clerk is secretary to the commissioners court, records and keeps legal documents, registers deeds and mortgages, and generally supervises the clerical duties of the county.
- The county treasurer, or county tax assessor and collector, assesses property values for tax purposes, collects taxes, and pays county bills.
- The county auditor audits the books of the treasurer and all other county officials (and sometimes city officials) who collect tax money.
- The county attorney prosecutes cases before the county courts and the county grand jury.
- The county sheriff is the chief law officer of the county. He works with the district attorney and the county attorney and often runs the county jail. A group of deputies assists him in enforcing state and county laws.
- The county coroner is usually a doctor. He examines bodies of those who die violently or unexpectedly to determine cause of death.
- The county surveyor oversees building and maintenance of county roads and surveys land boundaries. Today he is often called the county engineer.
- The county superintendent of schools is the administrator of the county public schools.

Because the county is a product of a rural society, it is a relatively loosely controlled unit of government. It is both created by and a functionary of the state government. It is the principal means by which state government contacts individual citizens. Some county functions are those of the state, and others are those of a distinctive governmental unit.

One of the primary county functions, enforcement of state laws, is the responsibility of the sheriff, the county attorney, and various county courts. The county government includes justice of the peace or precinct courts and precinct constables. These courts and officers usually handle small claims and

very minor disorders, and they sometimes arraign arrested prisoners for the police or sheriff.

District courts, both civil and criminal, are usually located in the county courthouse. The district attorney serves these courts, which are somewhat independent courts of the state judiciary. The sheriff brings accused persons to these courts and holds their prisoners in the county jail. Local police officers may also serve district courts.

Counties are responsible for collecting state taxes and handling local problems over property valuation and failure to remit these taxes.



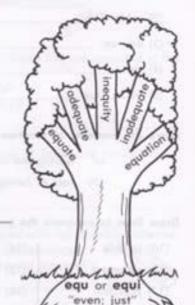
In the early twentieth century, the Georgia legislature passed a law providing that, in Democratic primaries, candidates for state offices would be elected by a majority of counties rather than by a majority of voters. Winning in these primaries had traditionally been tantamount to election to office in that heavily Democratic state. The law was an attempt by rural legislators to limit the increasing power of the citiesespecially Atlanta. Under this law, rural areas have much more power than urban counties because there are so many more rural counties.



The root "equ" or "equi" comes from a Latin word meaning "even; just."

Add the root "equ" to these prefixes and suffixes. Note: Drop a final "y" before adding a suffix beginning with a vowel.

- (1) _____ + al + ity = ____
- (2) in + _____ + al + ity = ____
- (3) _____ + ate = ____
- (4) _____ + ation = ____
- (5) _____ + ator = ____
- (6) _____ + ity = ____
- (7) _____ + ity + able = ____
- (8) in + _____ + ity + able = ____
 - (9) in + _____ + ity = ____
- (10) ad + _____ + ate = ____
- (11) in + ad + _____ + ate = ____
- (12) un + ____ + al = ____



(Latin-aequus)

Many words can be formed by combining the root "equ" or "equi" with another root. Write the new words on the lines below.

ROOT		ROOT	LATIN-MEANING		NEW WORD
(13) equ	+	animity	(animus – "mind")	=	equanimity
(14) equi	+	librium	(libra – "balance")	- 1000	كمانا المالين والإثار
(15) equi	+	nox	(noctem - "night")	=	Head TO
(16) equi	+	distance	(distare – "to stand off")	=	
(17) equi	+	vocal	(vocare - "to call")	=	- Selection
(18) equi	+	lateral	(latus – "side")	-	Naster [11]
(19) equi	+	valent	(valere – "to be strong")	-	- Marie (C)
(20) equi	+	poise	(pensum – "weight")	-	
(av) ada.	100	ponte	(penson - weight)	4 - 17 b ()	1771-00-14

(21) What does the root "equ" or "equi" mean?