

2014 - 8th GRADE KAT QUESTIONS

LANGUAGE ARTS			
1	Spell independence.	1	I-n-d-e-p-e-n-d-e-n-c-e
2	Spell vacuum.	2	V-a-c-u-u-m
3	From which Latin root do we derive the words "generic" and "congenital"?	3	Genus
4	What does the Greek root "pathos" mean?	4	Suffering, feeling
5	What information is needed on the work cited page for a book with one author?	5	Author, book title, place of publication, publisher, year of publication, medium of publication.
6	Why should writers complete an outline before writing a paragraph or paper?	6	An outline will help the writer keep to the topic and discourage the adding of unnecessary information.
7	What type of modifier is a word or phrase that modifies a word not clearly stated in the sentence.	7	Dangling modifier
8	What word or words in the following sentence need to be changed in order to maintain parallel construction? "Mary likes hiking, swimming, and to ride a bicycle."	8	"To ride a bicycle" should be "riding a bicycle"
9	What is the error in the following sentence? "Everyone brought their lunch to class."	9	"Everyone" is a singular subject, but the pronoun "their" is plural.
10	Where do you put commas, periods, question marks, and exclamation points after a direct quotation?	10	Inside the quotation marks
11	The line: "As I learn from you, I guess you learn from me — although you're older — and white — and somewhat more free" is found in what poem by Harlem Renaissance poet Langston Hughes?	11	"Theme for English B"
12	What poetic device is used in the following example? "How many loved your moments of glad grace." — W. B. Yeats	12	Alliteration, the repetition of initial consonant sounds, is used in the last two words, "glad grace."
13	In Anton Chekhov's short story "The Bet," what topic of conversation causes the bet to be made?	13	A comparison of the death penalty and life imprisonment
14	In <i>Animal Farm</i> , one of the main commandments of the animals is "All animals are equal." How does this commandment change by the end of the novella?	14	The commandment changes to "All animals are equal, but some animals are more equal than others."
15	In <i>Twelfth Night</i> , which character says, "If music be the food of love, play on."?	15	Duke Orsino
16	What is personification?	16	Giving an inanimate object human characteristics

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17	In <i>The Good Earth</i> , who, because of his devotion to the good earth, builds a dynasty in spite of famine and revolution?	17	Wang Lung
18	Give the seven major actions or events in a plot line.	18	Exposition, inciting incident, rising action, climax, falling action, resolution, and denouement (day-noo-moh)
19	What does "faux pas" mean?	19	A social blunder (literally "false step")
20	What does "coup d'état" mean?	20	Overthrow of a government by a group
HISTORY			
21	What phrase was added to the Pledge of Alliance in the 1950s as a stand against communism?	21	"One nation, under God"
22	What Supreme Court decision made segregation illegal?	22	<i>Brown v. Board of Education</i>
23	What are the three branches of the US government?	23	Legislative, Executive, and Judicial
24	What court decides on the constitutionality of US law and how many justices are on that court?	24	US Supreme Court; Nine justices
25	In South Africa the practice of segregation was called?	25	Apartheid
26	Who received the Nobel Peace Prize for his efforts to end the Vietnam War?	26	Henry Kissinger
27	What 1960s crisis brought the US and Soviet Union to the brink of nuclear war?	27	Cuban Missile Crisis
28	Who was the first African American justice on the Supreme Court?	28	Thurgood Marshall
29	Operation _____ was conducted to end the Iraqi occupation of Kuwait.	29	Desert Storm
30	What minority religious group in India feared second-class citizenship when India was freed from British control?	30	Muslims
31	Originally an organization that worked for Irish freedom, what group used terrorist tactics in its fight to unite Ireland?	31	IRA (Irish Republican Army)
32	César Chávez's boycott of this product brought the United Farm Workers Union to national prominence.	32	Grapes
33	What natural resource caused world-wide interest in the Middle East?	33	Oil
34	Name the general removed from command during the Korean War by President Truman.	34	General Douglas MacArthur
35	What French base did the Vietnamese overwhelm in Vietnam?	35	Dien Bien Phu

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36	What incident occurred in 1960 that cooled US/Soviet relations and led Khrushchev to cancel the arms reduction summit?	36	The U-2 Incident
37	A break-in at the Democratic National Committee's headquarters which was funded by President Nixon's Committee to Re-Elect the President was known as the _____.	37	Watergate Scandal
38	Gandhi, one of the most famous men of the 20th Century, believed in what form of protest?	38	Passive resistance or nonviolent protest
39	Organized in 1968, this organization called for a renewal of American Indian culture and recognition of the rights of Indians.	39	AIM or American Indian Movement
40	What name was given to bus riders attempting to end segregation on interstate buses?	40	Freedom Riders
MATHEMATICS			
41	What is the product of $\sqrt{25}$ and $\sqrt{64}$?	41	$5 \times 8 = 40$
42	What is the formula for the Pythagorean Theorem?	42	$a^2 + b^2 = c^2$
43	To what specific geometric figure does the Pythagorean Theorem relate?	43	A right triangle
44	How many dimensions does a geometric solid have?	44	Three
45	What is the probability of rolling a seven on a pair of dice?	45	$6/36$ or $1/6$
46	What is the absolute value of $300 - 1000$?	46	700
47	Define two of the following: Range, Median, Mode, and Mean.	47	<u>Range</u> : the difference between the least and the greatest measurement; <u>Median</u> : the middle measurement; <u>Mode</u> : the most frequent measurement(s); <u>Mean</u> : the average of the measurements
48	What is the slope-intercept formula of a line?	48	$y = mx + b$
49	In the line, $y = -x + 3$, what is the slope and intercept?	49	Slope = -1, Intercept: (0, 3)
50	What is the sum of complementary angles? What is the sum of supplementary angles?	50	Complimentary = 90° ; Supplementary = 180°
51	When given two points, how do you calculate the slope of a line that passes through those two points?	51	$\frac{y_2 - y_1}{x_2 - x_1}$
52	What is the slope of a horizontal line?	52	0

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53	What is the slope of a vertical line?	53	A vertical line has no slope. It is undefined.
54	What do you know about the slope of parallel lines?	54	Parallel lines have the same slope.
55	What do you know about the slope of perpendicular lines?	55	Perpendicular lines have opposite (positive and negative), reciprocal slopes (i.e., -3 and 1/3).
SCIENCE			
56	What is the formula for speed?	56	Speed = Distance divided by Time
57	Finish the following phrase taken from Newton's Third Law of Motion: "For every action, _____."	57	"...There is an equal AND opposite reaction."
58	An upward force equal to the weight of the fluid displaced by an object is called _____.	58	Buoyant force
59	What is the formula for work?	59	$W = F \times d$ (Work equals force times distance.)
60	All forms of energy fall into two categories - what are they?	60	Kinetic energy (energy of motion) or potential energy (stored energy)
61	Mass per unit of volume relates to what physical characteristic of matter?	61	Density
62	What is the measure of the amount of work done divided by the time it takes to do the work?	62	Power
63	The human ear is capable of detecting sounds in the audible frequency range of _____ Hz to _____ Hz.	63	20Hz to 20,000 Hz.
64	Turning a magnet inside of a coil of wire will give rise to what?	64	An electric current
65	Materials like metals that easily give up electrons are called _____ while materials like glass that do not easily give up electrons are called _____.	65	Conductors and Insulators
66	The formula that best expresses Newton's 2nd Law of Motion is _____.	66	$F = m \times a$ (Force equals mass times acceleration.)
67	Newton's First Law of Motion noting the tendency of objects to stay at rest or stay in motion unless acted upon by an unbalanced force is termed _____.	67	Inertia
68	The term that describes electrical flow is _____.	68	Amps (amperage)
69	This is the label for electric potential.	69	Volts (voltage)
70	The force that resists motion whose by-product is heat energy is _____.	70	Friction
71	List the visual light spectrum from longest wavelength to shortest.	71	Red, Orange, Yellow, Green, Blue, Violet

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72	The type of waves, like sound, that require a medium to travel through are _____ while those, like light, that do not need a medium are called _____.	72	Mechanical (Longitudinal) and Electromagnetic (Transverse)
73	Due to the transfer of energy, one may trace most of the energy back to the _____.	73	Sun
74	The term for energy in plants is called _____, and the term for energy in animals is _____.	74	Photosynthesis and respiration
75	The speed of light is _____ while the speed of sound in air at room temperature is _____.	75	300,000 km per second (186,000 miles per second); 340 meters per second (1,130 feet per second).

VISUAL ARTS

76	Henri Matisse, Edvard Munch, and Marc Chagall's most famous works represent their subject matter in some form of _____.	76	Abstraction
77	Pioneered by Georges Braque and Pablo Picasso, and considered one of the most influential art movements of the 20th century, _____ depicts objects from multiple viewpoints on a single plane.	77	Cubism
78	Modern American artist Edward _____ portrays his subjects in a more isolated or lonely state, as in his most famous piece, "Nighthawks."	78	Hopper
79	Modern American and Regionalist artist Grant _____ painted one of the most famous American paintings, "American Gothic."	79	Wood
80	Social Realist Diego Rivera's most well-known paintings are large frescos on walls known as _____.	80	Murals
81	Name the Post WWII art movement that includes artists like Jackson Pollock, Willem de Kooning, and Mark Rothko.	81	Abstract Expressionism
82	Jackson Pollock employed a style of painting that emphasized the physical act of painting. This style is called _____.	82	Action painting
83	Andy Warhol and Roy Lichtenstein are example of artists belonging to the _____ movement.	83	Pop Art
84	Edward Steichen, Margaret Bourke-White and Ansel Adams use _____ as their medium of expression.	84	Photography
85	Name the artist who designed the Vietnam Veterans Memorial.	85	Maya Lin
86	Alexander Calder creating hanging, moveable sculptures called _____.	86	Mobiles
87	Sculptor Claes _____ is best known for his public art installations typically featuring very large replicas of everyday objects.	87	Oldenburg

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88	The Eiffel Tower and the Empire State building are examples of _____.	88	Architecture
89	Which architect designed the Guggenheim Museum?	89	Frank Lloyd Wright
90	What is Louis Sullivan's famous "law" about architecture and its form?	90	Form ever follows function

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MUSIC			
91	What is the text of work (as an opera) for the musical theater?	91	Libretto
92	Who composed "The Barber of Seville"?	92	Gioachino Rossini
93	Who composed "Blue Skies" and "There's No Business Like Show Business"?	93	Irving Berlin
94	What is the name of the lyricist that is best known for his work with composer Richard Rodgers?	94	Oscar Hammerstein II
95	Who composed "Rigoletto"?	95	Giuseppe Verdi
96	"I Feel Pretty" is a song from what Broadway musical?	96	West Side Story
97	"Oh, What a Beautiful Morning" is a song from what Broadway musical?	97	Oklahoma!
98	What composer wrote "Yankee Doodle Dandy"?	98	George M. Cohan
99	What Italian term is used for crisp, distinct notes?	99	Staccato
100	What are the six vocal ranges?	100	Soprano, mezzo-soprano, alto, tenor, baritone, and bass