

STUDENT NAME _____

New Jersey

High School Proficiency Assessment

Fall 2001

Sample Test Form

Test Booklet

FIRST EDITION





MATHEMATICS DIRECTIONS

The Mathematics Section of the High School Proficiency Assessment is made up of three parts consisting of multiple-choice questions and open-ended questions.

Work as rapidly as you can without sacrificing accuracy. Do not spend too much time puzzling over a question that seems too difficult for you. Answer the easier questions first; then return to the harder ones. Try to answer every question, even if you have to guess.

Where necessary, you may use scratch paper and blank spaces in the test booklet for your work. Do not use the margins or back of the answer folder to do scratchwork.

YOU MUST RECORD ALL OF YOUR ANSWERS IN THE SEPARATE ANSWER FOLDER. No credit will be given for anything written in this test booklet. Your responses must be in English in order to be scored.

For multiple-choice questions, mark only one answer for each question by filling in the corresponding circle on the answer folder. **MAKE SURE THAT EACH MARK IS HEAVY AND DARK AND COMPLETELY FILLS THE CIRCLE.** If you change an answer, be sure to erase your first choice completely. Incomplete erasures may be read as intended answers.

Respond **FULLY** to the open-ended questions in the area provided in the answer folder. Specific directions with each question will refer you to the page in your answer folder where your response must be written. For each of these questions, provide enough explanation so that the scorer can understand your solution. You will be graded on the correctness of your methods as well as the accuracy of your answer.

In addition to a ruler and geometric shapes, the Mathematics Reference Sheet provides formulas and other information you may find useful. You may use the information on the reference sheet and a calculator to help solve problems on the test.

You will have 1 hour and 30 minutes to complete the three parts of the Mathematics test. You will be given short breaks after each 30-minute part.



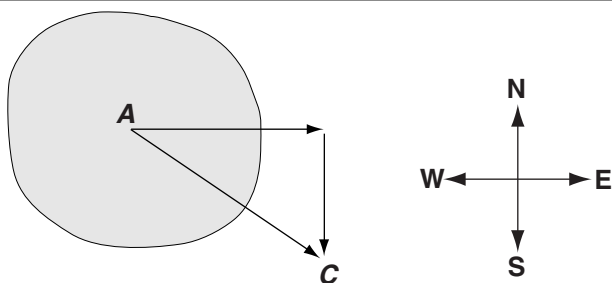
MATHEMATICS – PART 1

DIRECTIONS FOR QUESTIONS 1 THROUGH 10: For each of the questions or incomplete statements below, select the answer choice that is best in each case. Fill in the corresponding lettered space on page 2 in your answer folder with a heavy, dark mark.

- What is the major advantage of using scientific notation when writing very small or very large numbers?
 - It is a shorter, simpler way to write very small or very large numbers.
 - It is a more accurate way to write very small or very large numbers.
 - It is a way to write very small or very large numbers without using decimals.
 - It is the only way to write very small or very large numbers using square roots.

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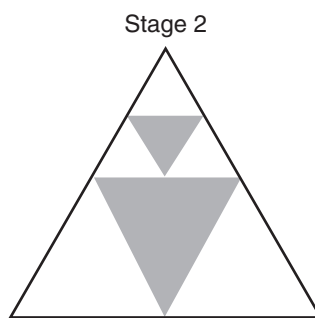
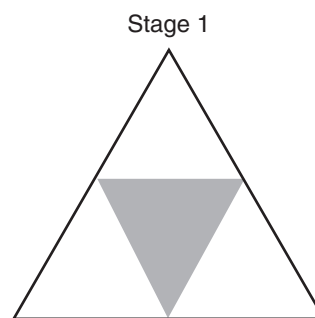


- Michelle was fishing in her canoe at *point A* in the lake depicted above. After trying to fish there, she decided to paddle due east at a steady speed of 10 miles per hour. As she paddled, a wind blowing due south at 5 miles per hour caused a change in her direction. What is the speed of her canoe, measured to the nearest tenth of a mile per hour, which has a velocity represented by vector AC ?
 - 8.6 miles per hour
 - 10 miles per hour
 - 11.2 miles per hour
 - 17.2 miles per hour

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- A design follows this pattern: an equilateral triangle is divided into 4 congruent triangles as shown below in Stage 1. Then, the top triangle is divided into 4 congruent triangles and the pattern repeats for each stage. In Stage 2, what is the ratio of the area of the larger shaded triangle to the area of the smaller shaded triangle?
 - 4:1
 - 3:1
 - 2:1
 - 1:4



- 4:1
- 3:1
- 2:1
- 1:4

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4. Which of the following expressions has the same value as $-2 \cdot |4 - 8|$?

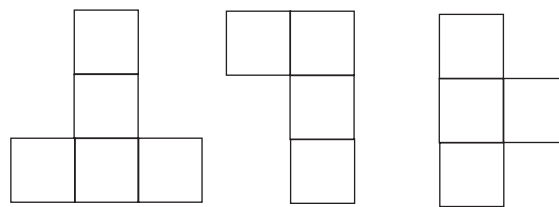
- A. $|-8|$
- B. $-|8 - 2|$
- C. $-|2 \cdot 4|$
- D. $|-8 - 4|$

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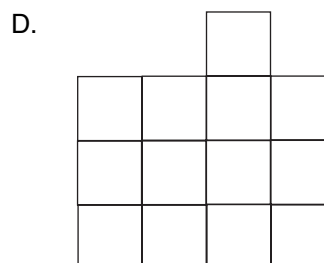
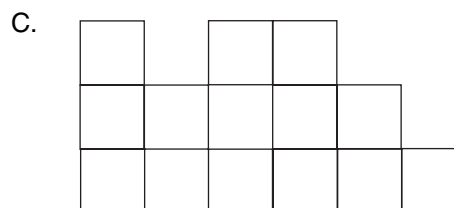
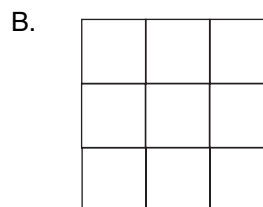
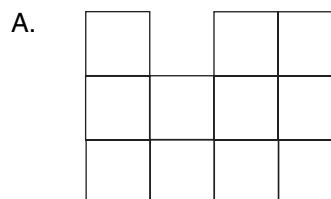
5. In the five basketball games of the Holiday Tournament, four of the scores for Jo's team were 109, 105, 97, and 92. If the mode for all 5 scores is 92, what is the mean for all 5 scores?

- A. 99
- B. 97
- C. 95
- D. 93

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6. If the three figures above are combined without overlapping, which figure below could be formed?



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7. The price (F) of a first class airline ticket is given by the formula $F = 2(C - 137) + 1.1C$, where C is the price of a coach ticket on the same flight. How much would a first class ticket cost on a flight, if a coach ticket is \$269?

- A. \$295.90
- B. \$538.00
- C. \$559.90
- D. \$591.80

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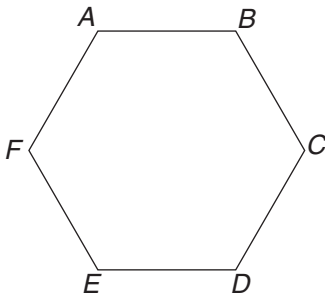
9. Hank receives an allowance each week from his parents. He is required to save 10% of it in a bank account. What would Hank's minimum allowance have to be so that he would have \$15 to spend?

- A. \$13.50
- B. \$15.10
- C. \$16.50
- D. \$16.67

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Use the hexagon below to answer question 8.



8. The vertices of triangle GHI are located at the midpoints of sides AB , CD , and EF of regular hexagon $ABCDEF$ respectively. What is the relationship of side AB of hexagon $ABCDEF$ to side HI of triangle GHI ?
- A. They are skew.
 - B. They are parallel.
 - C. They are congruent.
 - D. They are perpendicular.

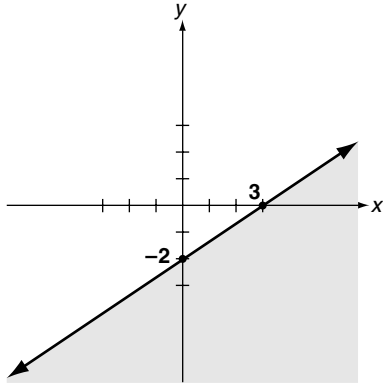
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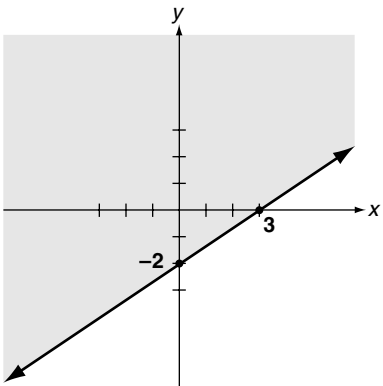


10. The graph of $y \geq \frac{2}{3}x - 2$ is represented by

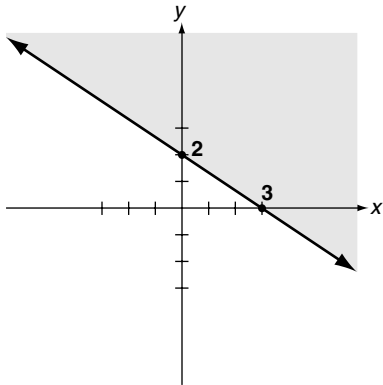
A.



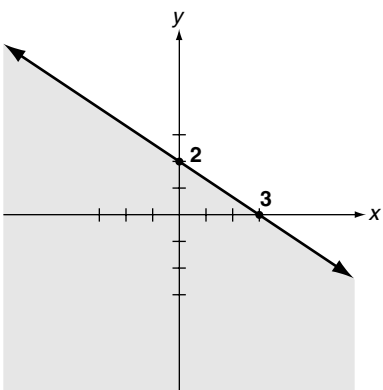
B.



C.



D.





DIRECTIONS FOR QUESTION 11: Show your work and clearly explain your answer. You will be graded on the correctness of your method as well as the accuracy of your answer. Write your answer on page 3 in your answer folder.

11. Jason's older brother owes him \$200. He offers to pay Jason \$120 today and then tomorrow, to pay him one-fourth of what he paid him today.
- If this pattern of paying one-fourth of what he paid the day before continues, how much money will Jason's brother have paid him in total by the end of day three?
 - If this pattern continues, will Jason's brother ever completely repay the loan? Justify your answer.

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DIRECTIONS FOR QUESTION 12: Show your work and clearly explain your answer. You will be graded on the correctness of your method as well as the accuracy of your answer. Write your answer on page 4 in your answer folder.

12. Ray Hunter saved \$2,500 for a trip to the Grand Canyon. Ray estimates that he will have the following expenses on his trip:

Round trip airfare	\$800.00
Transport to or from airport (one way)	22.00
Rental car (weekly)	137.00
Motel room (daily)	95.00
Meals (daily)	60.00
Extras (trail and helicopter rides, museums, gifts, etc.)	300.00

Ray's \$2,500 must cover all his expenses. What is the greatest number of days that Ray can plan to stay at the Grand Canyon? Show how you arrived at your answer.

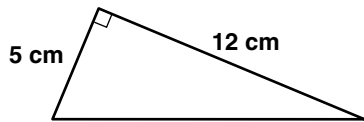
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MATHEMATICS – PART 2

DIRECTIONS FOR QUESTIONS 13 THROUGH 22: For each of the questions or incomplete statements below, select the answer choice that is best in each case. Fill in the corresponding lettered space on page 2 in your answer folder with a heavy, dark mark.

13. Elaine has six sticks that measure 15, 18, 24, 36, 39, and 48 centimeters. She must use three of the sticks to form a triangle similar to the triangle shown below.

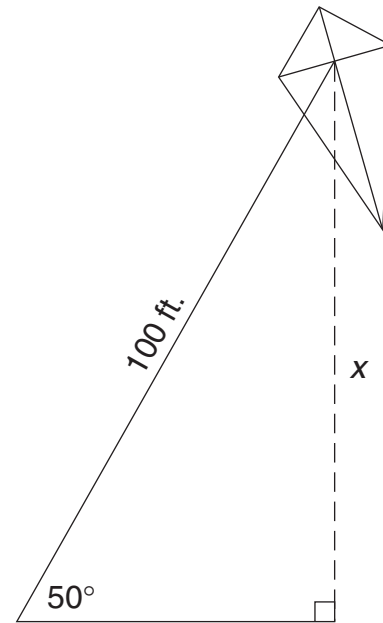


Which combination of measures of sticks will form a similar triangle?

- A. 24, 36, 48
- B. 18, 24, 48
- C. 15, 36, 39
- D. 15, 24, 36

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14. Tawana is flying her kite at the end of a 100 ft. string. The angle of the string to the ground is 50 degrees.



Which equation below can be used to find the height, x , of the kite above the ground?

- A. $\cos 50^\circ = \frac{x}{100}$
- B. $\sin 50^\circ = \frac{x}{100}$
- C. $\sin 50^\circ = \frac{100}{x}$
- D. $\tan 50^\circ = \frac{x}{100}$

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WHAT A UNITED STATES DOLLAR EQUALS

In The Americas	June 1997	June 1996
Argentina (peso)	.88	.91
Brazil (real)	.95	.83
Canada (dollar)	1.27	1.27
Mexico (peso)	7.02	6.65

In Europe	June 1997	June 1996
Britain (pound)	.58	.62
France (franc)	5.82	4.85
Germany (deutschmark)	1.73	1.43
Italy (lira)	1,683.00	1,460.00

15. Based on the information in the chart above, in June 1997, \$100 in the United States was the equivalent of
- A. 683 Italian lire.
 - B. 665 Mexican pesos.
 - C. 127 Canadian dollars.
 - D. 91 Argentinian pesos.

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16. Professor Samuels has been experimenting with a new method of growing a certain type of crystal. At the end of each week, she recorded the weight in grams.

Week	1	2	3	4	5	6
Weight (g)	13	15	21	39	93	255

Using the information above, how many grams should Professor Samuels expect the crystal to weigh at the end of the seventh week?

- A. 276
- B. 700
- C. 729
- D. 741

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17. Which of the following relates the lengths of all three sides of a right triangle?

- A. sine
- B. cosine
- C. tangent
- D. Pythagorean theorem

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18. Which of the following is **NOT** an irrational number?

- A. $\sqrt{2}$
- B. $\sqrt{5}$
- C. $\sqrt{9}$
- D. $\sqrt{11}$

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19. Laura wants to raise her science grade from 80 to 84. What percent increase would that represent?
- A. 4%
 - B. 5%
 - C. 6%
 - D. 8%

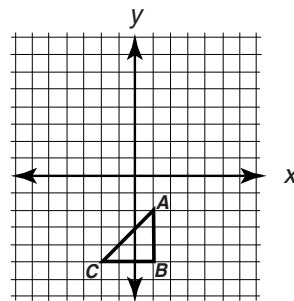
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20. The Garden Center manager, Mr. Stern ordered two sizes of grass seed bags for the spring sale. He ordered three times as many of the 25-pound bags as he ordered of the 40-pound bags. The total weight of the seed ordered was 920 pounds. How many smaller bags of seed did Mr. Stern order?
- A. 6
 - B. 18
 - C. 24
 - D. 81

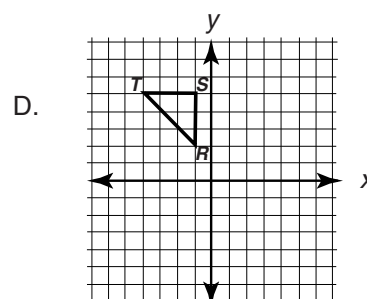
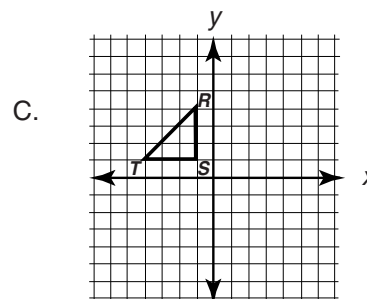
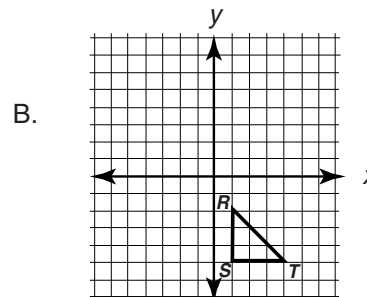
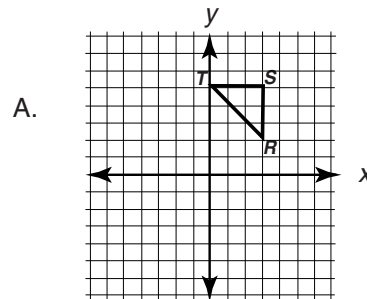
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21. A film opened at a theater, and 512 tickets were sold the first day. Each day thereafter, the number of tickets sold fell by 50% from the previous day. If each ticket costs \$6.50, what is the maximum possible income from ticket sales for this movie at this theater? (Note: No partial tickets were sold.)
- A. \$ 3,072.50
 - B. \$ 4,992.00
 - C. \$ 6,649.50
 - D. \$ 33,280.00

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22. If $\triangle ABC$ shown above is reflected over the x axis and then translated 2 spaces to the left, which $\triangle RST$ below will be the resulting image?





DIRECTIONS FOR QUESTION 23: Show your work and clearly explain your answer. You will be graded on the correctness of your method as well as the accuracy of your answer. Write your answer on page 5 in your answer folder.

23. Mr. Keeler and Ms. Bower both have backyard swimming pools that need to be filled each spring. Mr. Keeler's pool starts with 6 inches of water on the bottom, and he can add water at the rate of 4 inches per hour. Ms. Bower's pool starts with 12 inches of water, and she can add water at the rate of 3 inches per hour.

- Write an equation for the height (H) of the water in Mr. Keeler's pool in terms of the length of time (t) he has been filling it. Write another equation for the height (H) of the water in Ms. Bower's pool in terms of the length of time (t) she has been filling it.
- On the grid provided in your answer folder, graph the two equations so that you can compare the water levels in the two pools at hour intervals over an 8-hour time period.
- If Mr. Keeler and Ms. Bower both start adding water to their pools at 8 a.m., at what time will the water in the two pools reach the same level? Explain how you obtained this answer.

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DIRECTIONS FOR QUESTION 24: Show your work and clearly explain your answer. You will be graded on the correctness of your method as well as the accuracy of your answer. Write your answer on page 6 in your answer folder.

24. Jaime is experimenting with two bean plants in his classroom. He planted a seed in one container and placed it on the windowsill. He planted a second seed in another container and left it in a dark corner of the room. Other than location, both plants received the same treatment. As soon as the seeds sprouted above the soil, Jaime measured the height of both plants each day for five days. He recorded the measures in a chart:

<u>Windowsill Location</u>		<u>Corner Location</u>	
Day	Height in cm Above Soil	Day	Height in cm Above Soil
1	2.5	1	2.5
2	5.0	2	3.25
3	7.5	3	4.0
4	10.0	4	4.75
5	12.5	5	5.5

- What conclusion could Jaime draw from his data regarding the effect of location on the rate of growth?
- After five days, Jaime switched the location of the plant containers. The plants continued to grow at the rate associated with their new locations. On the grid provided in your answer folder, draw a graph, beginning with day five, that shows the growth of both plants in their new locations.
- On which day did the original “dark corner” plant become taller than the original “windowsill” plant?

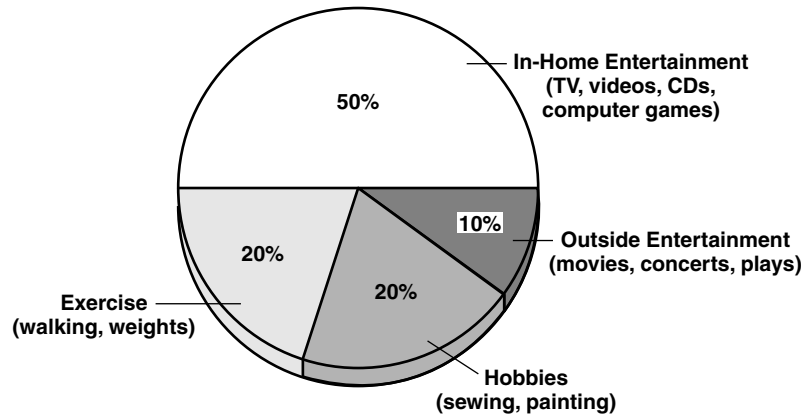
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MATHEMATICS – PART 3

DIRECTIONS FOR QUESTIONS 25 THROUGH 34: For each of the questions or incomplete statements below, select the answer choice that is best in each case. Fill in the corresponding lettered space on page 2 in your answer folder with a heavy, dark mark.

25. The following graph shows how Kendra spent her free time last week.



If Kendra spent $5\frac{1}{2}$ hours on her hobbies last week, how many hours of free time did she have last week?

- A. 18
- B. 20
- C. 25.5
- D. 27.5

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26. Last year the local garden club raised \$644 selling all the garden plants that were donated. The plants sold for \$2 each. Assuming that the same number of plants are donated and sold this year, approximately how much will the club have to charge for each plant to raise \$800?
- A. \$1.25
 - B. \$1.60
 - C. \$2.50
 - D. \$4.00

27. The ratio of the width to the height of Tim's computer monitor screen is 6:5. If the screen is 12 inches high, how wide is it?
- A. 10 inches
 - B. 11 inches
 - C. 13.2 inches
 - D. 14.4 inches

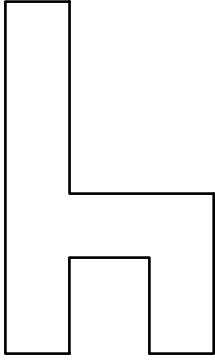
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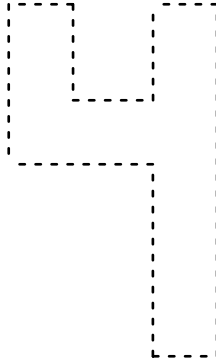
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Pre-Image



Image



28. The transformation shown above is a
- A. translation.
 - B. reflection.
 - C. rotation.
 - D. glide.

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29. Alex jogged 8 miles due north, then turned due west and jogged 6 more miles. How many miles is Alex from his starting point? (shortest distance)
- A. 9
 - B. 10
 - C. 14
 - D. 24

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30. Mr. Santos has a new game. It consists of sixty-five cards numbered from 1 to 65. In order to win, he must draw 3 cards in a row that have a 5 on them. There are 16 cards that have at least one digit equal to 5. After drawing a card, it is set aside. If Mr. Santos draws seven cards, and none of them has a 5, what is the probability that he will win the game on his next three draws?

- A. $\left(\frac{16}{58}\right)\left(\frac{15}{58}\right)\left(\frac{14}{58}\right)$
- B. $\left(\frac{16}{58}\right)\left(\frac{15}{57}\right)\left(\frac{14}{56}\right)$
- C. $\left(\frac{16}{65}\right)\left(\frac{15}{64}\right)\left(\frac{14}{63}\right)$
- D. $\left(\frac{16}{65}\right)\left(\frac{16}{65}\right)\left(\frac{16}{65}\right)$

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31. Jan is building a scale model of a house. If the actual house is 86 feet wide and 172 feet long, what will be the length in inches of the scale model if it is 18 inches wide?
- A. 3
 - B. 6
 - C. 12
 - D. 36

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32. Otto set the combination to the company's safe and went on vacation where he couldn't be reached. Malik, his partner, lost his copy of the combination. Malik remembered that Otto had developed a simple procedure for the combination that established a pattern. The first four steps in the combination are: Turn the dial right to **56**, then left to **53**, then right to **58**, then left to **51**. Assuming that the pattern and procedure continued, what is the next (and final) step in the combination?
- A. turn right to 55
 B. turn right to 57
 C. turn right to 60
 D. turn right to 62

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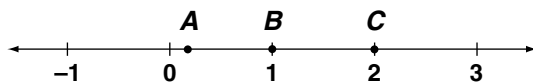
34. The cost of doing the family laundry at the laundromat is \$45 a month. The cost of buying a washer and dryer is \$735, plus a \$75 installation charge. The average monthly operating cost for the washer and dryer at home is \$8.00.

Which of the following equations can be used to find when the total cost of buying and operating the washer and dryer would be equal to the cost of using only the laundromat?

- A. $45x = 735$
 B. $45x = 810$
 C. $45x = 810 + 8$
 D. $45x = 8x + 810$

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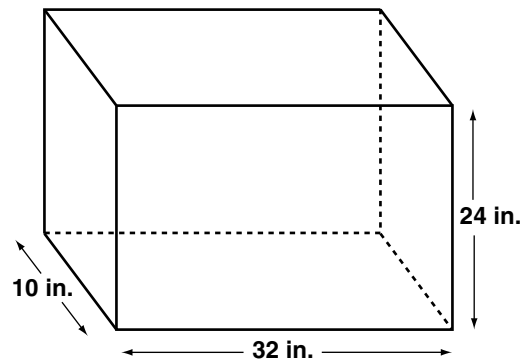


33. Where on the number line above would the point be located that corresponds to the product of the coordinates corresponding to *A* and *C*?
- A. to the right of *C*
 B. between *A* and *B*
 C. to the left of *A*
 D. between *B* and *C*

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DIRECTIONS FOR QUESTION 35: Show your work and clearly explain your answer. You will be graded on the correctness of your method as well as the accuracy of your answer. Write your answer on page 7 in your answer folder.



35. An electronics manufacturer wants to ship a stereo system in the box shown above. The system includes the following components:

1 Receiver 20 in. \times 8 in. \times 8 in.

1 CD Player 20 in. \times 8 in. \times 5 in.

1 Dual Tape Deck 20 in. \times 8 in. \times 6 in.

2 Half-Cylinder Speakers, each with a height of 22 in. and a radius of 4 in.

- To keep the components secure, all remaining space in the box must be filled with packing filler. What is the approximate number of cubic inches of filler needed to pack one box?
Show your computation work even if you use a calculator.

11M2CK05P09-0430

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DIRECTIONS FOR QUESTION 36: Show your work and clearly explain your answer. You will be graded on the correctness of your method as well as the accuracy of your answer. Write your answer on page 8 in your answer folder.

36. Renee has \$1,000 that she is saving for her college education. She has decided to invest this money in an investment that will return 15% each year.

If all earnings are reinvested and Renee makes no withdrawals, the total amount of money Renee would have after each year of the investment can be thought of as a sequence $A_0, A_1, A_2, A_3, \dots, A_n$, where A_0 represents her initial investment of \$1,000, and A_n represents the amount of money she would have after n years of investment.

- Determine the value of A_1 and A_2 . Show your work.
- Approximately how many years will it take Renee to double her initial investment at the 15% rate of return? Show your work.

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LANGUAGE ARTS LITERACY DAY 1

DIRECTIONS – PART 1

Today you are going to take part of the High School Proficiency Assessment for Language Arts Literacy. The assessment contains different types of text and different activities. In the first part of the test, you will look at a picture and then complete a writing task. In this activity, you have an opportunity to demonstrate how well you can organize and express your ideas in written text. You have received a Writer's Checklist of important points to remember as you write. Educators who read your writing will consider these important points when they read and score your writing.

You will have 30 minutes to complete the writing task. Take a few minutes to think about the task and to plan what you want to say before you begin to write. You may use the prewriting/planning space to plan your text, but your prewriting will not be scored. Only your writing on pages 9-10 in your answer folder will be scored. Do your best to make your writing clear and well-organized. Keep your purpose in mind as you write and use your checklist.

You must use a No. 2 pencil. You may either print or write your final copy. You may not use a dictionary or any other reference materials during the test. However, you may use the Writer's Checklist. If you finish before the time is called, review what you have written using the Writer's Checklist to read critically and improve what you have written. Then, close your test booklet and wait quietly until you receive further instructions.

LANGUAGE ARTS LITERACY DAY 1 – PART 1



Teun Hocks untitled 1997/1998 117 x 164 cm Ed. 3 versions Black & White photo/oilpaint on toned silverprint
Courtesy TORCH Gallery Amsterdam

WRITING TASK

An ancient proverb says, “A picture is worth a thousand words.” Regardless of the artist’s original intent, what we see in the picture can be very different from what others see. What words would you use to describe what is happening in this picture? Use your imagination and experience to speculate what the story is about or to describe what is happening.

PREWRITING/PLANNING SPACE

When you finish your planning, turn to page 9 in your answer folder.

END OF PART 1

Be sure to write your draft on pages 9-10 in your answer folder. You may check your work on this part only. DO NOT GO ON TO THE NEXT PAGE.



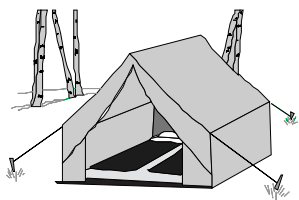
LANGUAGE ARTS LITERACY DAY 1

DIRECTIONS – PART 2

In this part of the test, you will read a narrative passage and then respond to the multiple-choice and open-ended questions that follow it. You may look back at the passage and make notes in your test booklet if you like, but you must record your answers in your answer folder.

You will have 50 minutes for this part of the test. If you finish this part before the time is called, close your test booklet and wait quietly until you receive further instructions.

LANGUAGE ARTS LITERACY DAY 1 – PART 2



DIRECTIONS FOR QUESTIONS 1 THROUGH 10: Read the passage and record your answers to the multiple-choice questions on page 11 in your answer folder.

INTRODUCTION: All the explorer had to do was prove that he was smarter than a mud turtle—but on Venus that's not so easy! Discover how Rod Spenser achieved his goal.

SIX-LEGGED SVENGALI

Mack Reynolds and Fredric Brown

Base camp certainly looked good to me after hours of wandering alone through the eternal thick fog and thin drizzle that is Venus. You can never see more than a few yards ahead of you, but that's all right; there's nothing worth seeing on Venus anyway.

Except, while our expedition was there, Dixie Everton. It was strictly on account of Dixie that I'd joined the Everton Zoölogical Expedition, led by her father, Dr. Everton of the Extra-Terrestrial Zoo at New Albuquerque. I was paying my own expenses, too; Dr. Everton didn't think I'd be a worth-while addition to the party. What was worse, he didn't think I'd be a worth-while husband for Dixie. And there I disagreed with him, but definitely.

3 Somehow or other it was up to me, on this small expedition, to prove to him that I wasn't quite as *non compos mentos*¹ as he thought. Maybe that sounds kind of corny, but that's the way it was. And judging by my luck thus far, I had about the chance of a popsicle on the sunward side of Mercury of convincing him.

Actually, I had little real sympathy for the expedition. I've never thought much of people penning animals in cages to be gawked at. Already, of the sparse animal life on Venus, two species had become extinct: the beautiful Venusian egret, to supply plumes for hats in a ridiculous revival of the millinery styles of the 19th century, and the kieter, whose meat was delicious beyond belief, to adorn the tables of wealthy *gourmets*.

Dixie heard me come into camp. She stuck her beautiful head through the flaps of her tent and smiled at me. That helped considerably. She asked, "Get anything, Rod?"

I said, "Only this. Is it any good?" I opened the moss-lined box I used as a game carrier and took out the only animal I'd caught, if it was an animal. It had gills like a fish, eight legs, a comb like a rooster's, only larger, and blue fur.

Dixie looked it over. "It's a weezen, Rod. We have two back at the zoo, so its not a new variety." She must have seen the disappointment on my face because she added quickly, "But this is a good specimen, Rod. Don't let it go yet; Daddy will probably want to study it when he has time."

That's my Dixie.

Dr. Everton came out of the main tent and looked at me distastefully. "Hello, Spenser. I'll shut off the signal now. Crane's back, too."

He walked over and shut off the radio-like gadget that had been broadcasting a directional click signal to enable Crane and me to get back to camp. On Venus without that transmitter and a matching pocket receiver, you'd be hopelessly lost a few dozen yards from your base.

"Crane get anything?" I asked.

"No specimens," Dr. Everton said, "but something well worth eating. He got a swamp-hen, and he's cooking it for us now."

"Wouldn't let me touch it," Dixie said. "Says women can't cook. It must be about ready; he's been working an hour. Hungry, Rod?"

"Almost hungry enough to eat *this*." I told her looking at the weezen I was still holding. Dixie laughed and took it from me to put in one of the hold boxes.

We went into the main tent. The swamp-hen was ready and Crane served it proudly. He'd done a good job on it and had a right to be proud. A Venusian swamp-hen, properly cooked, is as much better than fried chicken as fried chicken is better than boiled buzzard. It's out of this world, or any world.

And it has four legs instead of two, so there was a drumstick for each of us.

There wasn't much talk while we ate. But over coffee, Dixie said something to me that didn't make any sense at all—something about a turtle.

"Huh?" I said. "What turtle?"

Dixie looked at me as though to see whether I was kidding or not and then she looked from her father to

¹*non compos mentos*. not of sound mind.

John Crane, and then there was an awkward silence.

I frowned and asked what went.

Crane sighed. He said, "A Venusian mud turtle, Rod. What this expedition came for, primarily. And apparently you found one this morning."

"I don't know what you're talking about," I said patiently. "I not only didn't find one, but I never even *heard* of one. What kind of gag is this?"

Dr. Everton shook his head sadly. "Spenser, we let you come along only because you swore you knew how to capture one."

"I said that?" I looked at Dixie pleadingly. "Is this a conspiracy to kid me, or what?"

25 Dixie looked down at her plate unhappily.

Dr. Everton said, "Yes, definitely you found one of the turtles, or were near one. I'll explain."

"You see, Spenser, many creatures have amazing protective mechanisms for use against their enemies. There are the insects that survive by resembling twigs—the harmless snakes that have the markings of deadly vipers—the small fish that can puff itself up so large that it cannot be swallowed—the chameleon that—"

I interrupted him. "I'll concede protective mechanisms, Dr. Everton. But what's that got to do with whatever we're talking about?"

He wagged a finger at me. "All right, you concede protective mechanisms. Now we come to the protective mechanism of the Venusian mud turtle. Like all other forms of life on Venus, it has limited telepathic powers. In its case, a special adaptation of telepathy. It can induce temporary amnesia concerning itself—its very existence—in the mind of any creature coming within a certain range of it.

"In other words, if anyone goes out hunting a Venusian mud turtle and finds one—he not only forgets he was hunting it but that he saw it or ever heard of it!"

Probably my mouth dropped open a little. I said, "You mean that *I was out hunting a—*"

"Exactly," said Dr. Everton, a bit smugly.

I looked at Dixie and this time her eyes met mine. She said, "That's right, Rod. Finding a way to capture one of the turtles was the main purpose of this expedition. And part of the reason Dad let you come along was the fact that you swore you knew how to do it."

"I did?"

"Just a minute, Rod; I'll show you. I know you're finding it hard to believe, when you don't remember." She left the tent a minute and came back with a letter; I could see that it was in my handwriting. She gave it to me and I read it and my ears began to burn.

I handed it back to Dixie and there was a long silence.

Finally I broke it. "And I didn't even give any of you

a clue," I asked, "as to how I was going to go about being smarter than a mud turtle?"

Dr. Everton spread his hands. "You wouldn't tell us."

"How long will this amnesia last? Is it permanent?"

"No, it will run its course in a few hours—five or six, perhaps. But after that, if you encounter another of the beasts, it'll happen all over again."

I thought that over and it didn't help any way that I could see. But I suddenly wondered about something. I asked, "If everyone who sees one forgets about it, how is it known to exist?"

"It's been photographed several times—but by explorers who didn't remember taking the photographs until after they were developed hours later. It looks considerably like a terrestrial turtle; has six legs instead of four and is round rather than oval. You studied pictures of it quite closely."

Crane had arisen from the table and secured half a dozen photographs from a small portable desk that sat in one corner. "Here's your object of search, Rod." There was amusement in his eyes.

I stared at them, still unbelievably. "They're cute little fellows," I muttered. "Big eyes. Look kind of wistful."

"Rather rare, even as Venusian life forms go," Crane told me. "This area of twenty or thirty square miles is the only spot they've been reported."

"Rare is correct," Dr. Everton grunted. "And at the rate things are going they'll be extinct before we ever secure a specimen."

I groaned at that. "What do you mean?"

Crane shrugged. "Some of the attempts to catch them have been rather disastrous to the mud turtles. One biological expedition tried a poison gas, thinking to kill a few and at least have some dead specimens. However, what obviously happened was that upon death they sank deep into the mud. Another expedition used a narcotic in hopes of rendering some unconscious. They—"

Dr. Everton put in. "Well, be that as it may, if this expedition fails, it will probably be the last. The attempts to capture the mud turtle are proving much too expensive."

I rubbed a hand across my face. This was like having a hangover after a six-day binge. If it hadn't been for that letter in my own handwriting I might still have suspected that they'd conspired to play a joke on me.

I said ruefully, "Whatever idea I had, it must have been wrong. I have met the enemy and I am it. If you'll excuse me—"

"What are you going to do, Rod?" Dixie asked.

"Going off to think awhile." I turned to Dr. Everton. "Unless you want me for something."

"No, go ahead, Spenser. We're going out hunting

again, possibly our last trip before we leave. But—” He didn’t exactly say that I wasn’t going to be a very valuable addition to the hunting party, but he meant it all right. And I didn’t blame him.

I went back to my own tent—each of the four of us had a small private tent outside the big one—and sat down on the cot. I tried to remember something, anything, about turtles or a turtle. But aside from what they’d just told me, I couldn’t dredge up a thing.

What idea had I had? Well, whatever it was, it hadn’t been very good. I felt like ripping my hair out.

There was a cough at the tent entrance. “May I come in?” It was Dr. Everton’s voice.

“Sure,” I said.

He came in and I motioned him to sit down, but he shook his head. He said, “I’m sorry I have to remind you of this, Spenser—while you’re down, as it were—but it wouldn’t be fair to me if I didn’t. And you’ve indubitably² forgotten it along with everything else concerning the turtle.”

I looked up at him, puzzled.

He said, “You don’t remember our agreement?”

I shook my head.

“It was simply this: I told you that if you could do what you said you could, I’d withdraw my objections to your marrying Dixie. In return, you agreed that if you failed—”

“Oh, *no*.”

“You did, Spenser. You were so sure of yourself that you seemed to think you weren’t taking any chance at all. But you *did* promise that if you failed, you’d accept my verdict and not continue to see Dixie.”

It seemed impossible that I’d have said that—but I knew Dr. Everton was an honest man. I had to believe him.

He said, “I’m sorry to have to remind you of it. And frankly, I’ve come to rather like you somewhat, personally. But I still don’t think you’d be a good husband for my daughter. She is a brilliant girl. She is entitled to someone who—uh—”

“Who’s smarter than a mud turtle,” I supplied glumly.

He said, “Well—” and went on kindly to try to make me feel a bit better about it, but it didn’t help. Pretty soon he left and I sat there.

And sat there.

I must have had an idea that I’d been pretty *confident* of, I knew, if I’d made a deal like that with Dr. Everton. But *what* had the idea been? What good is an idea if you don’t remember? *Or could I possibly have been smart enough to have left a message for myself?*

I went quickly to the foot locker that held my clothes and equipment and lifted the lid. There was a message chalked on the inside of the lid, all right, and it was in my own lettering. Three sentences. I stared at them. “TURNABOUT IS FAIR PLAY. CAN A PERSON WITH AMNESIA GET AMNESIA? PHASE IS THE ANSWER.”

I stared at the message and groaned. I’d had to be *cryptic*, yet. I couldn’t have put it in plain English so I’d know what I was talking about. Probably I’d figured that if I put it plainly Crane or Everton might see it and steal my idea. But what had I *meant*? 73

TURNABOUT IS FAIR PLAY. CAN A PERSON WITH AMNESIA GET AMNESIA? PHASE IS THE ANSWER.

Nuts. It must have meant something to me when I chalked it there, but it meant absolutely nothing now.

TURNABOUT IS FAIR PLAY. Did that mean that I’d deliberately let myself get caught by a turtle first *so I could turn the tables and then catch it*? Can a person with amnesia get amnesia? Wasn’t I immune now? Maybe, but what did I mean by *phase* being the answer?

I heard sounds of the others leaving camp and I grabbed my equipment quickly, including the moss-lined specimen box, and hurried out. They were out of sight—from the sound of their voices, about twenty yards away—but they answered when I called out, and waited while I slogged through the mud after them.

Dr. Everton was last, and I fell in beside him. I said, “Listen, Doctor, I’m almost getting a glimmer of what my idea was. I think I went out alone on purpose so I’d come near one.”

“Yes? Why?” He sounded interested.

“Because you see that, having been caught, I’m going to be subject to that amnesia for another four hours or so. And while I am, I think I’m immune. I think that if I see a turtle *now*, I won’t forget what it is and that I want to capture it.”

He turned and stared at me. “Spenser, maybe you’ve got something there. But it’s a slim chance.”

“Why?”

“This visibility—or lack of it. According to those pictures it blends in pretty well with the mud. It crawls along on top of the mud, but it’s the same color. You wouldn’t find one unless you happened almost to step on it.”

I looked around and mentally agreed with him.

I thought, *phase is the answer*, and then tried to figure out what I meant. It made me nuts.

We slogged along, with me concentrating so hard that I was afraid of spraining a convolution. What had I meant by *phase*? Why had I had to be so cryptic? And this was going to be my last chance. . . .

I strained my eyes into the fog as I walked.

²indubitably. undoubtably; without question.

“How large would you say the turtles were, Doctor?”

“About six inches in diameter, I’d say from the photographs.”

Not that it mattered much. At six yards, in this fog, you couldn’t have seen an elephant. Dixie and Crane were only two steps ahead of us and I could barely see them.

“And it’s exactly the color of mud?”

“Beg pardon?”

“The turtles,” I said. “Are they the same color as this mud?”

94 He turned and looked at me. “Turtles? Are you crazy, Spenser? There aren’t any turtles on Venus?”

I stopped walking so suddenly I skidded in the mud and almost fell. Dr. Everton looked back at me. “Something wrong, Spenser?”

“Go on,” I said. “I’ll catch up with you in a minute. I’ll explain later.”

He hesitated, as though he wanted to ask me more questions, and then, obviously realizing he’d lose sight of Crane and Dixie unless he hurried, he said, “All right, see you at the camp if we get separated.”

The minute he vanished into the mists, I put down my specimen box as a landmark on the exact spot where I stood. I started walking in a spiral around it.

Phase is the answer! It wasn’t cryptic after all. I’d merely let myself get caught—alone—by one of the turtles so I’d be out of phase with the others. I was immune, for this short period, and they weren’t. So the turtle had “got” Everton and that was my clue.

I was making my fifth circle of the specimen box, about six or seven feet away from it, when I almost stepped on something that was motionless and almost invisible on top of the mud. It was a six-legged turtle. I picked it up and said, “Aha, my beauty. Turnabout is fair play, and phase was the answer!”

It looked at me with a pair of big, soulful eyes and said sorrowfully, “Yeep?” I felt a twinge of conscience. I knew good and well that now a method had been found, other zoos, other museums, would want specimens and—

I suppressed that line of thought and put the turtle firmly into my box. This meant Dixie, and Dixie meant everything. Using the directional click signal as a guide, I slopped back to camp.

I was chuckling to myself when they got back a few hours later. It was turnabout again, but I was ready to convince them. I’d dug into my foot locker and found all the ammunition I needed—scientific

periodicals with articles about the Venusian mud turtle, newspaper accounts of the departure of the zoological expedition and its primary purpose. And, of course, Exhibit A, one Venusian mud turtle in excellent condition and alive.

I got Dr. Everton aside and, as diplomatically as he had reminded me of the deal between us, I reminded him.

He sighed, “All right, Rod,” he said. I don’t remember it but I’ll take your word. I think that—right now—I’d say yes anyway, regardless of whether there’s a wager covering the matter.”

We shook hands, and he smiled suddenly. “Have you and Dixie set the date?”

“I’ll have to check with Dixie,” I told him, “but I know what day I’d choose. And you’re technically captain of a spaceship and can perform the ceremony before we leave.” I grinned at him. “In fact, I’d better cash in before I get amnesia again and forget what the deal was.”

“Get amnesia again? You think you will?”

“Unless this is the same turtle I came near the first time, I think I will, yes. As soon as the period of immunity from the first turtle wears off, this one will get me and I’ll forget things again for a few hours. And that’s about due to happen, if it’s going to.”

I found Dixie in the main tent and the exact words of what I said and what she said are none of your business. Half an hour later, Dr. Everton married us and then, because we wanted to do our packing and take off before the approaching end of the Venusian day, we pitched in.

I did most of the work inside the ship, getting it ready, so I was the last to pack my own duffel and bring it aboard. Naturally I threw away everything I didn’t need—one always does before a trip in space—including emptying the moss out of my specimen box and releasing an odd turtle-like creature that couldn’t have any value as a specimen; it must have got the catch open and crawled in by itself because it was nothing I’d ever caught. An appealing little creature, somehow; I was glad I didn’t have any reason to keep it a prisoner.

Maybe I should have asked Dr. Everton about it, but I was in a hurry to start the trip back to earth—and my honeymoon.

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1. The first three paragraphs are important because they
- A. tell the reader what Venus is like.
 - B. show the narrator's purpose for being on Venus.
 - C. describe the comforts of the expedition's base camp.
 - D. reveal that Dr. Everton is unfair.

11LW5-035B-N02

2. In paragraph 3, Rod, the narrator, says he has "about the chance of a popsicle on the sunward side of Mercury of convincing" Dr. Everton to let Rod marry Dixie. The narrator means that
- A. his future with Dixie will be sweet and bright.
 - B. he will have to explore Mercury to convince Dr. Everton.
 - C. he would rather eat a popsicle on Mercury than explore Venus.
 - D. his efforts to prove himself to Dr. Everton will be unsuccessful.

11LA5-034D-N02

3. If Dixie had not been part of the expedition, Rod would never have joined because
- A. Venus is covered with "eternal thick fog."
 - B. he does not agree with the purpose of the expedition.
 - C. he does not believe mud turtles exist.
 - D. he is afraid of getting lost while exploring.

11LW3-033B-N02

4. In paragraph 25, Dixie looks "at her plate unhappily" because
- A. she does not like to eat Venusian swamp-hen.
 - B. she thinks her father is trying to trick Rod.
 - C. she thinks Rod has missed a good chance to fulfill his agreement with her father.
 - D. she senses that Rod and her father are going to argue.

11LA2-037C-N02

5. In paragraph 73, Rod says, "I'd had to be cryptic, yet." What is meant by cryptic?
- A. illegible
 - B. secretive
 - C. forgetful
 - D. slow

11LW4-048B-N02

6. When Dr. Everton says (paragraph 94), "There aren't any turtles on Venus," readers learn that
- A. he's just seen one and has temporary amnesia.
 - B. he has found no turtles on this expedition.
 - C. other scientists have proved there are no turtles on Venus.
 - D. he's trying to confuse people to conceal his discovery.

11LW3-044A-N02

7. Which of the following BEST expresses the theme of this story?
- A. Most scientific success comes by accident, not with planning.
 - B. Fathers suspect the motives of their daughters' boyfriends.
 - C. Venusian turtles are smarter than human scientists.
 - D. Winners achieve success by planning ahead.

11LW1-041D-N02

8. The irony in the story is revealed in
- A. Rod's release of the turtle at the end.
 - B. Venusian swamp-hen tasting better than fried chicken.
 - C. Rod's aside to the reader at the end of the story.
 - D. the photographs of the mud turtles that Crane produces.

11LA5-042A-N02

9. The end of the story is unclear regarding the reason Rod lets the turtle go. All of the following reasons are possible EXCEPT
- A. he is suffering from amnesia again.
 - B. he doesn't want Dr. Everton to have a specimen.
 - C. he is more interested in Venusian swamp-hens than in turtles.
 - D. he does not approve of keeping animals in cages.

11LA4-040C-N02

10. Which of the following conclusions can be made after reading the story?
- A. Rod and Dixie Spenser will forget that they are married.
 - B. There will be no more Everton Zoölogical Expeditions to Venus.
 - C. Dr. Everton will gain world recognition for capturing the turtle.
 - D. The Venusian mud-turtles will become extinct because of the trash the explorers leave behind.

11LA4-049B-N02

DIRECTIONS FOR QUESTION 11: Write your response in the space provided on page 12 in your answer folder. **DO NOT WRITE ANY RESPONSES IN THIS TEST BOOKLET.**

11. The “Six-Legged Svengali” features the scientific exploration of the animal life, atmosphere, and geography on another planet.
- Explain how you might or might not be able to use this story for a speech or report in your science class.
 - How would the ideas in the story help or become a problem for your science assignment?

Use information from the story to support your response.

11LW6-039O-N02

DIRECTIONS FOR QUESTION 12: Write your response in the space provided on page 13 in your answer folder. **DO NOT WRITE ANY RESPONSES IN THIS TEST BOOKLET.**

12. The narrator empties his specimen box and releases the creature inside before the expedition leaves Venus. He decides not to ask Dr. Everton what the specimen is.
- Describe one possible consequence of the narrator’s actions.
 - Identify two reasons why the narrator might not want to ask Dr. Everton about the specimen.

Use information from the story to support your response.

11LA3-050O-N02

END OF PART 2
You may check your work on this part only.
DO NOT GO ON TO THE NEXT PAGE.



LANGUAGE ARTS LITERACY DAY 2

DIRECTIONS – PART 3

In this part of the test, you will complete a persuasive writing task. You will have an opportunity to demonstrate how well you can organize and express your ideas in written text. You have received a Writer’s Checklist of important points to remember as you write. Educators who read your writing will consider these important points when they read and score your writing.

You will have 60 minutes to complete this writing task. Take a few minutes to think about the task and to plan what you want to say before you begin to write. You may use the prewriting/planning space in your test booklet to plan your text, but your prewriting will not be scored. Only your writing on pages 14-17 in your answer folder will be scored. Do your best to make your writing clear and well-organized. Keep your audience and purpose in mind as you write and use your checklist.

You must use a No. 2 pencil. You may either print or write your final copy. You may not use a dictionary or any other reference materials during the test. However, you may use the Writer’s Checklist. If you finish before the time is called, review what you have written using the Writer’s Checklist to read critically and improve what you have written. Then, close your test booklet and wait quietly until you receive further instructions.

LANGUAGE ARTS LITERACY DAY 2 – PART 3

WRITING SITUATION

Recent news reports have called attention to the high risk of several popular sports. After re-examining the athletic program, your school board has proposed eliminating all sports identified with a high incidence of tragic injuries. This proposal has become a controversial issue among students, teachers, and parents in your community.

In response to the heated discussions, your local newspaper has published editorials both for and against the proposal. You decide to express your views by writing a letter to the editor.

WRITING TASK

Write a letter to the editor either supporting or opposing the proposal to eliminate high-risk sports from your school's athletic program. Support your position with reasons, examples, facts, and/or other evidence. Convince your readers to take your position seriously.

11LGT-001*-W03

PREWRITING/PLANNING SPACE

When you finish your planning, turn to page 14 in your answer folder.

PREWRITING/PLANNING SPACE (continued)

END OF PART 3

Be sure to write your draft on pages 14-17 in your answer folder. You may check your work on this part only. DO NOT GO ON TO THE NEXT PAGE.



LANGUAGE ARTS LITERACY DAY 2

DIRECTIONS – PART 4

In this part of the test, you will read a persuasive passage and then respond to the multiple-choice and open-ended questions that follow it. You may look back at the passage and make notes in your test booklet if you like, but you must record your answers in your answer folder.

You will have 45 minutes for this part of the test. If you finish this part before the time is called, close your test booklet and wait quietly until you receive further instructions.

LANGUAGE ARTS LITERACY DAY 2 – PART 4



DIRECTIONS FOR QUESTIONS 13 THROUGH 22: Read the passage and record your answers to the multiple-choice questions on page 18 in your answer folder.

INTRODUCTION: *The glamour of space and the lure of other worlds may cause us to forget that we live on a planet that still contains mysteries. What are some of these mysteries? Why are they important?*

HOMEGROWN VARIETIES

by Russell A. Mittermeier¹

My colleagues and I just discovered a distinctive new monkey species between the Rio Madeira and the Rio Tapajós in Brazil's central Amazon. In the process, we may have located two or three other monkeys and a tree porcupine previously unknown to science. The latest monkey is the seventh new primate found in Brazil alone since 1990, and others crop up on a regular basis in different regions of the tropics. Scientists working in Madagascar discover a new frog or chameleon species just about every month. Entomologists fogging the canopy of rainforest trees uncover so many new beetle species there isn't enough museum space to house them all. And as we finally explore more of the deep-sea ocean trenches, we are finding creatures that don't even fit within the definition of plant or animal.

2 Meanwhile, all eyes are turned toward a couple of rocks called Yogi and Barnacle Bill on a planet 120 million miles away. Having been raised on a heavy diet of Edgar Rice Burroughs's wonderful adventure novels based on Mars, Venus and points beyond (yes, he did write a lot more than Tarzan tales), I, too, share a fascination with what might exist in the far reaches of outer space. And although my 5-year-old son Michael ran screaming from the theater during the first seconds of "Men in Black" and resisted all my attempts to put him back in his seat, I fully appreciate the public's fascination with the possibility of extraterrestrial life. But there was something about all the fuss over the latest surveys of rocks on Mars that bothered me. At first I couldn't pinpoint exactly what it was. Then it became clear: the justification for spending millions of dollars to send probes to these planets is much the same as that used by field biologists surveying the flora and fauna in poorly documented ecosystems on Earth.

3 On Mars we *might* have located fossils of one-celled organisms that resemble the earliest forms of life on Earth several billion years ago. On Jupiter's moon Europa, under two miles of ice, there *appears* to be water where life might *possibly* exist. This interplanetary biodiversity, if it exists, would be quite

interesting. But what about the vast, yet undiscovered variety of life that exists on this planet?

Today's sophisticated technology enables us to launch space probes, and computers can cram millions of bits of information onto tiny silicon chips. But we languish in the Dark Ages when it comes to understanding the diversity of life on Earth. Harvard University professor, biologist and author Edward O. Wilson estimates that scientists have thus far described between 1.4 million and 1.8 million species of plants, animals and microorganisms. Yet the total number of species could run from 10 million to 30 million to 100 million or more (I believe the 100 million figure). We don't know to within one and perhaps two orders of magnitude how many forms of life share this planet with us. If we look at the complex ecological interactions among this vast array of life forms, we are probably an additional two or three orders of magnitude off in our lack of knowledge. And we're even more ignorant about the potential values these biological resources hold for humans.

This planet's intricate web of life is what we earthlings ultimately depend upon for our own survival as a species. This diversity provides us with the basics for living, as sources of food, clothing, shelter, medicine and recreation. The onslaught of destructive forces on the planet's living resources means that we will probably never know just exactly how many and what kinds of other life forms share the planet with us.

I have seen the medicine men and women in Suriname's jungles cure fevers and infections by directly applying healing plants to their patients. This knowledge is now sought by pharmaceutical companies to help develop drugs in the laboratory. One such drug, Vincristine, was originally created from alkaloids of the rosy periwinkle, a small plant native to Madagascar. When the young daughter of a colleague of mine was diagnosed with a rare blood-related cancer several years ago, this drug helped save her. In the course of pursuing lemurs through Madagascar's rain forests, I've come across many wild species of coffee, some of which could one day

¹The author is president of Conservation International.

be critical for the survival of one of the world's largest agricultural commodities. In general, the key role played by uncultivated relatives of our most important crop species in maintaining genetic diversity and resistance to disease is well known. The examples of our dependence on other forms of life are almost endless.

The latest Martian probe is said to have cost \$260 million, a truly low figure for such endeavors, especially when compared with what was spent in the 1960s and 1970s. To put that figure in perspective, however, it is more than a full year of government spending on biodiversity research on our entire planet.

- 8 All the attention and hoopla surrounding the Mars expedition would be less troublesome to me if exploration of other planets in our solar system were couched in terms of astronomy, physics or chemistry. To justify this expense in order to find new species in outer space, while our own world faces the most severe extinction spasms in the past 65 million years,

seems a bit disingenuous². Based on some current biological estimates, in the 211 days it took for Pathfinder to make the journey to Mars, more than 20,000 rain-forest species might have become extinct. During that same amount of time, by one estimate, more than 20 million acres of tropical forests were destroyed, wiping out some of the most diverse habitats on the planet.

Don't get me wrong. I am not against space research. I take as much delight as any other casual observer in seeing the diminutive Sojourner stumbling around the rocks of Mars. But let's be reasonable. If we are going to spend another \$260 million in the name of extraterrestrial life, let's spend at least as much on conserving and cataloging living species on this planet. After all, Earth is still the only place in the entire universe where we know with certainty that life exists.

²**disingenuous**: not straightforward, misleading.

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13. Which of the following BEST expresses the central idea of the article?
- A. Public interest in space research should be encouraged.
 - B. So many species have become extinct that it is too late to study Earth's biodiversity.
 - C. The technology we use to study other planets cannot be used to study life on Earth.
 - D. While space research is valuable, we should give at least equal support to the study of life on Earth.

11LW1-240D-P02

14. According to the writer, our present knowledge of the Earth's ecosystem is
- A. inadequate.
 - B. confusing.
 - C. unimportant.
 - D. justified.

11LW3-233A-P02

15. In paragraph 3, the writer italicizes the words *might*, *appears*, and *possibly*. He is
- A. emphasizing the unproven status of certain extraterrestrial findings.
 - B. ridiculing the public fascination with space probes.
 - C. expressing his personal bias.
 - D. providing details that support his opinion.

11LA5-238A-P02

16. Your school's debate team is researching the topic: "The rain forest must be protected." The evidence in the article "Homegrown Varieties" would be most valuable to
- A. the judges.
 - B. the negative team.
 - C. the affirmative team.
 - D. the audience.

11LW6-247C-P02

17. In paragraph 4, the author reports on estimates of the total number of species on Earth and the number that scientific research has so far described. By including these details, the writer is emphasizing that
- A. we have discovered only a fraction of our planet's species.
 - B. most of Earth's species are facing extinction.
 - C. there are relatively few undiscovered species on Earth.
 - D. we can only guess at the number of species that may exist on other planets.

11LW3-241A-P02

18. In paragraph 5, the word *onslaught* means
- A. decrease.
 - B. attack.
 - C. attempt.
 - D. cost.

11LW4-236B-P02

19. In paragraph 5, the author uses the phrase, "intricate web of life,"
- A. to characterize basic human needs.
 - B. to describe the fragility of insect habitats.
 - C. to suggest interdependence between life on Earth and life on other planets.
 - D. to convey the interconnections on our planet.

11LA5-249D-P02

20. The writer feels that there is more interest in extraterrestrial life than in Earth's biodiversity. Which of the following details supports his opinion?
- A. A single space probe costs more than an entire year of biodiversity research on Earth.
 - B. Jupiter's moon, Europa, may have water that is capable of supporting life.
 - C. The latest Mars probe cost less than similar explorations in the 1960s and 1970s.
 - D. Since 1990, at least seven new primates have been found in Brazil.

11LW2-234A-P02

21. In paragraph 8, where the author describes our rationale for the expenditures on space exploration as disingenuous, he means that
- A. we should be more methodical in our research of the solar system.
 - B. our greatest minds should focus on the pursuit of pure science.
 - C. it is hard to defend the expense of space research when we have such clear needs on Earth.
 - D. we need to reduce the amount of time it takes to journey to Mars.

11LA2-248C-P02

22. If this author were to work for the government, which agency would most likely employ him?
- A. NASA – National Aeronautics and Space Administration
 - B. EPA – Environmental Protection Agency
 - C. OSHA – Occupational Safety and Health Administration
 - D. UNICEF – United Nations International Children's Educational Fund

11LA4-252B-P02

DIRECTIONS FOR QUESTION 23: Write your response in the space provided on page 19 in your answer folder. **DO NOT WRITE ANY RESPONSES IN THIS TEST BOOKLET.**

23. In paragraph 6, the author describes the use of rain forest plants for healing, genetic diversity, and crop-disease resistance.

- If the author came to your class as a guest speaker, what two questions would you ask about rain forest plants?
- Explain how the answers to your questions might be useful to humankind.

Use information from the article to support your response.

11LA1-245O-P02

DIRECTIONS FOR QUESTION 24: Write your response in the space provided on page 20 in your answer folder. **DO NOT WRITE ANY RESPONSES IN THIS TEST BOOKLET.**

24. In paragraph 2, the writer indicates that he is troubled because space exploration is considered more important than research on Earth's biodiversity.

- What are two reasons why our government spends so much money on extraterrestrial research?
- How could the public's interest in Earth's biodiversity be increased?

Use information from the article to support your response.

11LA3-244O-P02



LANGUAGE ARTS LITERACY DAY 2 DIRECTIONS – PART 5

The Revise/Edit part of the test is located in your answer folder on pages 21-24.

NOTE: REVISE/EDIT WILL NOT BE PART OF THE OPERATIONAL HSPA IN MARCH 2002. HOWEVER, IT WILL BE FIELD TESTED.