Homework Packet for 9th & 10th Grade

Week 24

Name _____

Week Starts on / Due on _____]____]__

Each week you are to complete your homework packet and turn it on the day the teacher assigns. Part of the homework is reading 45 minutes a day. This can be done in after school care and they can read to a younger sibling or an adult as well. Weekend reading is encouraged, each week students can get credit for reading on Saturday and/or Sunday. Reading each day is very important to help each student get better at this skill.

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Weekly Home Reading Record

Day	Reading Material	Amount of Time	How many pages
Weekend			
Monday			
Tuesday			
Wednesday			
Thursday			

Total Reading Time: Hours _____ Minutes _____

Student Signature: _____

Date: _____

Parents Signature: _____

Date: _____

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GRADES 9-10

VOCABULARY BUILDER
WEEK 24
Daily Activity

Monday : Write out the definition of the vocabulary word and the source where you found it. (*note do not use wikipedia*) and break the word down in Syllables.
Example: ABSTRUSE: 2 Syllables , **ab-struse and it sounds like ab-stroos.**

Tuesday : Write a sentence with the vocabulary word (different than the definition of the vocabulary word).

Wednesday : Write a paragraph with the vocabulary word (different than the definition and the sentence with the vocabulary word).

Thursday : Write a 3 to 5 paragraph essay with all the vocabulary words (different than the definition, and sentences you used with the vocabulary word)

Friday : **Turn in all of your work.**

This week's vocabulary words are:

proximity prudent pugnacious punctilious quandary	querulous quixotic raconteur radiant rampage	ravenous rebuke recluse reconcile refined

TURN THE PAGE

PASSAGE IV

Planet Earth's Windiest Observatory

[1]

Step outside into blowing snow, freezing fog, 45 mph winds with hurricane-force gusts, and a –50° Fahrenheit windchill. Welcome to a typical January day at the Mount Washington Observatory. [A] Weather conditions at this facility, which sits atop its namesake's 6,288-foot peak
46

in New Hampshire, has earned the location the nickname
47
"Home of the World's Worst Weather."

[2]

[B] Though somewhat diminutive compared to other mountains, (Colorado's Pikes Peak, for
48
example, is more than twice its height), Mount Washington is the tallest peak in the Presidential Range.
49
The peak stands at the confluence of three major storm tracks, and its steep slopes force
50
rising winds to accelerate. In fact, scientists in 1934 recorded a surface wind speed (of 231 mph):
51
one of the fastest ever recorded.

46. **F.** NO CHANGE
G. their
H. these
J. it's

47. **A.** NO CHANGE
B. Hampshire, have earned
C. Hampshire has earned
D. Hampshire, earns

48. **F.** NO CHANGE
G. mountains (Colorado's Pikes Peak,
H. mountains, (Colorado's Pikes Peak
J. mountains (Colorado's Pikes Peak

49. Given that all the choices are accurate, which one best uses a comparison to emphasize that the weather on Mount Washington can be extreme?

A. NO CHANGE
B. is much colder at the summit than at the base of the mountain.
C. has an average midwinter temperature of 5° Fahrenheit.
D. has weather that rivals that of Antarctica.

50. **F.** NO CHANGE
G. its steep slopes that force
H. if its steep slopes force
J. its steep slopes forcing

51. **A.** NO CHANGE
B. speed of 231 mph—
C. speed of 231 mph;
D. speed, of 231 mph,

[3]

In one study, researchers used a laser beam and advanced optical techniques to measure winds. The observatory also keeps detailed weather records that scientists have used to track climate trends and weather patterns. The observatory has also advanced scientists' understanding of clouds, of ice physics, and the atmosphere.

52. **F.** NO CHANGE
G. In addition, the
H. Additionally, the
J. Also, the

53. **A.** NO CHANGE
B. furthered our knowledge of ice physics,
C. as well as ice physics,
D. ice physics,

[4]

To conduct all this research, staff are on-site year-round. Observers, who work several twelve-hour shifts over the course of a week. To change personnel in winter, though, crews ascend the mountain in a vehicle, gripping the snow using revolving tracks similar to those on a military tank. Observers go outside every hour to gather data, which they send to the National Weather Service. [C]

54. **F.** NO CHANGE
G. Observers who work
H. Observers work
J. Observers, working

55. **A.** NO CHANGE
B. winter, of course,
C. winter, however,
D. winter,

56. **F.** NO CHANGE
G. vehicle while gripping
H. vehicle that grips
J. vehicle and grip

[5]

Though isolated, the Mount Washington Observatory offers weather enthusiasts many ways to get involved. The observatory takes volunteers and accepts interns, who assist with research. The bold can take part in educational trips to the summit in winter. [D] For those who are planning to make a trip to Mount Washington, the observatory has a website with live video feeds of the summit.

57. **A.** NO CHANGE
B. research and the
C. research but the
D. research, the

58. Which choice contrasts most directly with the other ways to get involved at the observatory that are mentioned in the paragraph?

F. NO CHANGE
G. prefer a warm recliner to an icy peak,
H. conduct weather research,
J. love the outdoors,

Questions 59 and 60 ask about the preceding passage as a whole.

59. The writer is considering adding the following sentence to the essay:

> This information is used to help create regional weather forecasts.

If the writer were to add this sentence, it would most logically be placed at:

A. Point A in Paragraph 1.
B. Point B in Paragraph 2.
C. Point C in Paragraph 4.
D. Point D in Paragraph 5.

60. Suppose the writer's main purpose had been to describe how mountain ranges affect weather patterns. Would this essay accomplish that purpose?

F. Yes, because it discusses how the slopes of Mount Washington increase wind speeds.
G. Yes, because it describes the weather conditions on the summit of Mount Washington.
H. No, because it outlines the history of the Mount Washington Observatory.
J. No, because it provides an overview of the Mount Washington Observatory and its research.

2-Digit by 2-Digit Multiplication (D)

Name: _____ Date: _____ Score: ____ /20

Calculate each product.

65 × 23	40 × 55	81 × 21	53 × 43	62 × 70
20 × 95	30 × 67	10 × 65	16 × 88	23 × 43
15 × 26	17 × 91	72 × 80	41 × 32	52 × 65
91 × 63	94 × 68	68 × 20	90 × 86	32 × 47

WEEK 24
Use R.A.C.E. Strategy for Math

Example:
Joshua has 32 donuts. He organizes them in boxes. Each box holds 12 donuts. How many boxes of donuts will Joshua have?

R (Restate the question) in your own words	Joshua will have ____ boxes of donuts.
A (Answer the question)	Joshua will have 3 boxes of donuts.
C (Cite the evidence)	I will determine how many boxes of 12 are required to fit all the donuts by dividing the number of donuts (32) by the number that can fit in each box (12). If I need part of a box I will round the solution up to the nearest whole number. 32 ÷ 12 = 2.666 Rounded up is 3
E (Explanation)	Joshua will have 3 boxes of donuts. I determined how many boxes of 12 are required to fit all the donuts by dividing the number of donuts (32) by the number that can fit in each box (12). Since I needed slightly more than two boxes, I rounded my solution to the nearest whole number.

WORD PROBLEMS

1. Marvin is helping his teachers plan a field trip. There are 125 people going on the field trip and each school bus holds 48 people. What is the minimum number of school buses they will need to reserve for the trip?

2. Lance has 70 cents, Margaret has three-fourths of a dollar, Guy has two quarters and a dime, and Bill has six dimes. Who has the most money?

3. The students at Norton School were asked to name their favorite type of pet. Of the 430 students surveyed, 258 said that their favorite type of pet was a dog. Suppose that only 100 students were surveyed, with similar results, about how many students would say that a dog is their favorite type of pet?

TURN THE PAGE



QUESTION 1

R (Restate the question) in your own words	
A (Answer the question)	
C (Cite the evidence)	
E (Explanation)	

QUESTION 2

R (Restate the question) in your own words	
A (Answer the question)	
C (Cite the evidence)	
E (Explanation)	

QUESTION 3

R (Restate the question) in your own words	
A (Answer the question)	
C (Cite the evidence)	
E (Explanation)	

MAKE SURE THAT ALL YOUR WORK IS COMPLETED BEFORE YOU TURN IT IN.