Homework Packet for 9th & 10th Grade

Week 15

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.

© *Reading is Fun!!* ©

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: _____

www.tucsoninternationalacademy.com
520-792-3255



GRADES 9-10

VOCABULARY BUILDER
WEEK 15
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:

KNOTTY	LAVISH	LOQUACIOUS
LABYRINTH	LETHARGIC	IUCID
LAMPOON	LIONIZE	LUCRATIVE
LANGUID	LOATHING	LUGUBRIOUS
LAUDATORY	LOBBYIST	MACHINATIONS

TURN THE PAGE

PASSAGE V

The Flow of Time

Nine hundred years ago, Emperor Zhezong of China, [61]
ordered the design and construction of a clock

built to keep time more accurately than other clocks. [62]

This would be no simple timepiece and because [63]

Chinese dynasties continued [64] to astrology, they relied
on complicated clocks that not only kept time but also
helped track stars, planets, the sun, and the moon. An
eminent scientist and bureaucrat named Su Song lead [65]
Zhezong's ambitious project.

Using his expertise in calendrical science, [66]

Su Song created a spectacular timepiece housed within [67]
an ornate forty-foot-tall tower. At the tower's top sat an

armillary sphere, or [68] a nest of metal rings representing
celestial reference points such as the horizon and
the sun's path—that rotated in sync with the
earth, enabling precise astronomical observations.
Inside the tower, a sphere depicting the sky
revolved to display the stars that were overhead.

61. **A.** NO CHANGE
B. ago, Emperor Zhezong, of China
C. ago, Emperor Zhezong of China
D. ago Emperor Zhezong of China,

62. **F.** NO CHANGE
G. to keep time more accurately than clocks that had previously come before it.
H. more accurate at keeping time correctly than any other clock of the time.
J. more accurate than any other.

63. **A.** NO CHANGE
B. timepiece. Because
C. timepiece, because
D. timepiece because

64. **F.** NO CHANGE
G. adhered
H. linked
J. fixed

65. **A.** NO CHANGE
B. imminent scientist and bureaucrat named Su Song lead
C. imminent scientist and bureaucrat named Su Song led
D. eminent scientist and bureaucrat named Su Song led

66. Given that all the choices are accurate, which one best indicates that Su Song relied on engineering achievements from earlier times?
F. NO CHANGE
G. Building on centuries of Chinese clock-making knowledge,
H. While authoring his treatise on astronomical clockwork,
J. After first crafting a working small-scale wooden model,

67. **A.** NO CHANGE
B. secured between
C. encased around
D. nestled among

68. **F.** NO CHANGE
G. sphere—
H. sphere:
J. sphere,

Besides, below the star sphere, the tower's open sides exposed a detailed model of a five-story pagoda. Automated figurines would appear in the pagoda's doorways and ring bells to announce hours, sunsets, seasons, and other chronological events.

69. **A.** NO CHANGE
B. Sooner or later,
C. Lastly,
D. Thus,

70. Which of the following alternatives to the underlined portion would NOT be acceptable?
F. bells, which served to announce
G. bells, they announced
H. bells that announced
J. bells, announcing

The clock's inner workings were equally remarkable. Hidden in the tower, a waterwheel eleven feet in diameter powered the entire clock. Therefore, water would pour at a constant rate into one of the wheel's thirty-six buckets. When the bucket was full, the water's weight pulled it down, rotating the waterwheel. Then a stop mechanism halted the wheel and positioned the next bucket for filling. Chinese clockmakers had long used waterwheels, but Su Song's stop mechanism, which regulated the inertia of the waterwheel, represented significant innovation.

71. **A.** NO CHANGE
B. reveals themselves as being
C. was shown to be
D. has proved

72. **F.** NO CHANGE
G. In other words, water
H. For example, water
J. Water

73. **A.** NO CHANGE
B. nevertheless,
C. regardless,
D. DELETE the underlined portion.

Unfortunately, after Su Song's clock ran for thirty years, invaders stole it. Later the clock vanished altogether. It would be a few hundred years until with the refinement of mechanical clocks in Europe other clocks approached the complexity of Su Song's masterpiece.

74. **F.** NO CHANGE
G. until—with the refinement of mechanical clocks in Europe—
H. until with the refinement (of mechanical clocks in Europe)
J. until, with the refinement, of mechanical clocks in Europe

75. **A.** NO CHANGE
B. eventually became able to draw anywhere near to the complexity
C. grew to attain such a high degree as that
D. could even fathom coming within reach

Adding/Subtracting Decimals (E)

Calculate each sum or difference.

$54.082 + 22.71 =$

$913.2 - 129.41 =$

$246.2 - 3.814 =$

$772.4 + 214.949 =$

$60.8 + 57.7 =$

$827.353 - 128.18 =$

$628.13 + 72.5 =$

$73.73 + 66.3 =$

$820.072 - 338.86 =$

$609.9 + 482.935 =$

$578.7 - 95.875 =$

$15.90 - 2.4 =$

$738.55 - 48.56 =$

$615.485 - 6.9 =$

$255.7 + 11.50 =$

$33.680 - 1.1 =$

$92.50 + 4.508 =$

$638.612 - 1.18 =$

$850.776 - 7.020 =$

$592.418 - 8.1 =$

WEEK 15
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. A group of 131 students and teachers travel to the Museum of Art. The school district has vans which hold seven persons and buses which hold 25. There are five more vans than buses. How many buses and vans are needed for the trip?

2. The assembly line at BJ Motor Company can build 2 cars every 45 minutes. How many cars are produced in a 12-hour shift at the factory?

3. The assembly line at BJ Motor Company can build 2 cars every 45 minutes. How many cars are produced in a 12-hour shift at the factory?

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.