

Assignment Record Sheet

Math Core A

Full Name: _____

Week: 10/28-11/1

Unit Name: Prime Time

Period: 4

Date Assigned	Focus Question??	Homework (IP=in packet)		Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
Monday Oct. 28	<i>How do you decide what operations are needed in a given situation?</i>	WU: None CW: Unit Test Review (IP) – Day 1 HW: None		WU: CW: HW:		
Tuesday Oct. 29	<i>How do you decide what operations are needed in a given situation?</i>	WU: None CW: Unit Test Review (IP) – Day 2 HW: Study for Test		WU: CW: HW:		
Wed. Oct. 30	<i>How do you decide what operations are needed in a given situation?</i>	WU: None CW: Unit Test – Day 1 HW:		WU: CW: HW:		
Thursday Oct. 31	<i>How do you decide what operations are needed in a given situation?</i>	WU: None CW: Unit Test – Day 2 HW: None		WU: CW: HW:		
Friday Nov. 1	<i>How do you decide what operations are needed in a given situation?</i>	WU: Word Problems/Calculation wkshts CW: Kahoot! HW: None Turn in your packet		WU: CW: HW:		

Total Homework Score for the Week: _____/75

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Daily Materials Score _____/25

Unit Test Review

1. Find the prime factorization of each number. Show your work.

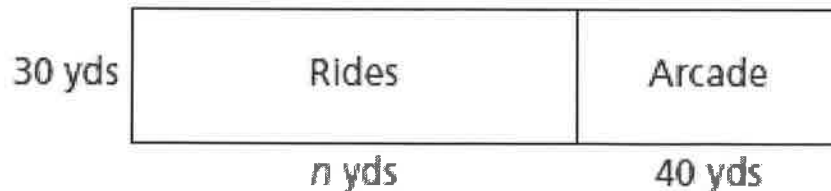
a. 72

b. 132

2. What number has the prime factorization $2^2 \times 3 \times 5^2 \times 7$? Show how you found the number.

3. A number is less than 85. The number has 26 and 6 as factors. Find the number and explain how you found it.

4. The owners of an amusement park want to add more rides and an arcade in an open field. Below is a sketch of their plan. The owners do not know all of the measurements of the field.



Write two expressions for the area of the whole field.

Unit Test Review (continued)

5. “Sam” and “Martha” are the local names for two lighthouses that guard a particularly dangerous part of the coast. Sam blinks every 12 seconds, and Martha blinks every 8 seconds. They blink together at midnight. How many seconds will pass before they blink together again?
6. Carlos is packing sacks for treats at a party. Every sack has exactly the same treats in it. Carlos has 96 granola bars and 64 small popcorn balls.
- What is the greatest number of treat sacks Carlos can make? Show your work.
 - How many of each kind of treat is in one sack? Show your reasoning.
7. a. What is the greatest common factor of 30 and 42?
- b. What is the least common multiple of 30 and 42?
- c. Find another common multiple of 30 and 42.

Unit Test Review (continued)

8. "Dawson wrote the factorization $3^2 \cdot 5^2$. Without finding the actual number, how can Dawson tell if the number is even or odd?"

9. Find the value of the expression $30 - 3^2 \div 3 + 8(2)$.

10. Is each expression equivalent to 6×53 ? Justify your reasoning.

a. $6 \times 50 + 6 \times 3$

b. $10 \times 53 - 4 \cdot 53$

c. $6 \cdot 50 + 3$

d. $6 \times (53 + 3)$