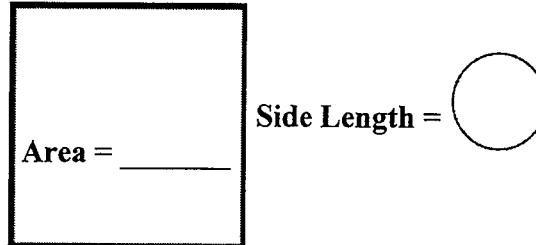


Grade 8: Math Dominoes Review Puzzle # 1

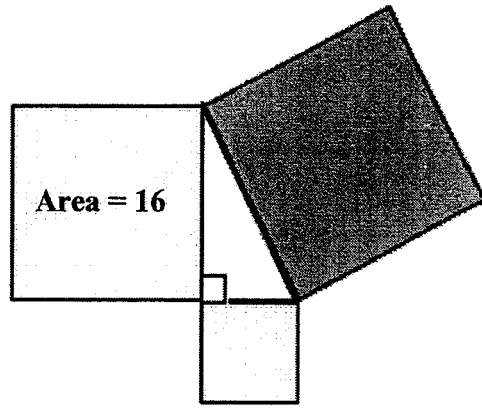
Mr. Clark

- 1.) I can check if any number is divisible by _____ by checking if this number divides evenly into the number formed by the last two digits of any whole number.
- 2.) Your answer (from part 1) is the side length of the square below. Write it in the circle, then calculate the area of the square.



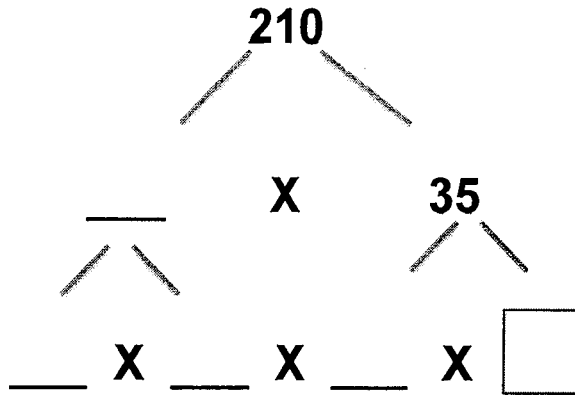
- 3.) Subtract (-76) from the area that you calculated (in part 2). _____
- 4.) Use a factor tree to determine the prime factorization of your answer (from part 3).
- 5.) Add (-14) to THE LARGEST PRIME FACTOR (from your tree in part 4). _____

- 6.) Your answer (from part 5) is the area of the smallest square,
Calculate the area of the largest square



- 7.) Calculate the square root of the area of the largest square (from part 6).

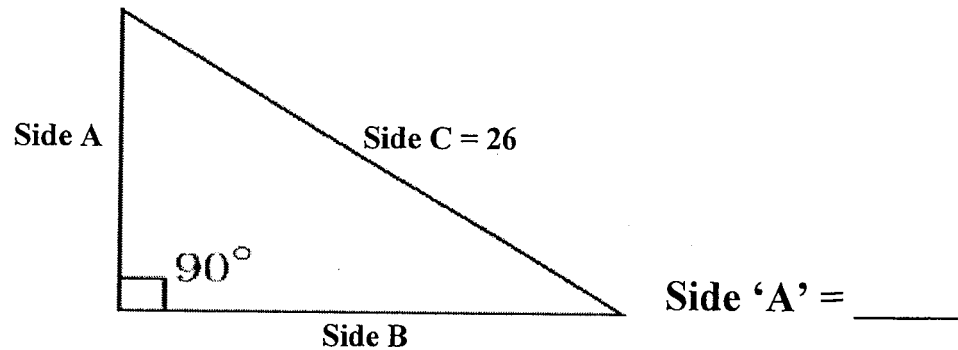
- 8.) Write your answer (from part 7) in the square below. Complete the factor tree.



- 9.) Find the sum of prime factors (from the bottom line in part 8) EXCLUDING THE ONE IN THE BOX.

- 10.) Double your sum (from part 9).

11.) Your answer (from part 10) is the length of side 'B' in the triangle below. Calculate the length of side 'A'.



12.) Square your answer (from part 11), and write your final answer in the blank below:

**I AM _____ % CERTAIN THAT I KNOW HOW TO PERFORM
EVERY MATH OPERATION AND TECHNIQUE THAT WE HAVE
LEARNED SO FAR THIS YEAR!**

**WOW! THAT IS A BOLD STATEMENT, BUT WITH THIS EXERCISE
AS PROOF, I BELIEVE YOU!!!!**

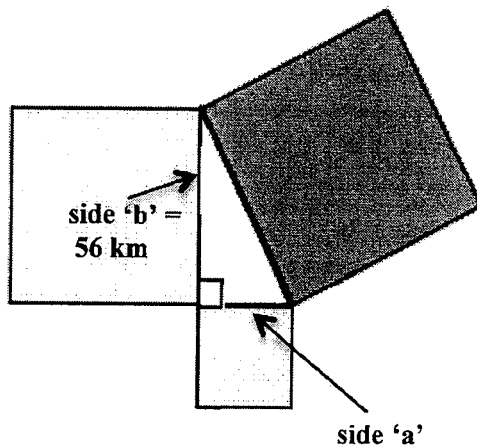
Grade 8: Math Dominoes Review Puzzle # 2

Mr. Clark

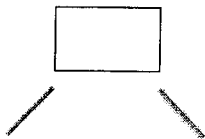
- 1.) Find the product, and write it in the blank to the right:

$$(-7) \times 2 \times (-3) =$$

- 2.) Your answer (*from part 1*) is the length (in kilometers) of side 'a' in the triangle below. Calculate the area of the largest square (in km^2). Write your answer in the blank to the right.



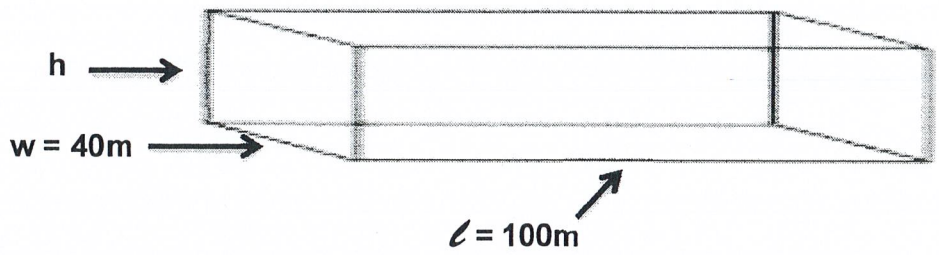
- 3.) Write your answer (*from part 2*) in the box below. Complete a factor tree to determine its prime factorization. When you are finished, find the SUM of all of the prime factors. Write the sum in the blank below and to the right.



4.) Subtract (-93) from your answer (from part 3), and write your answer in the blank to the right. _____

5.) Find the square root of your answer (from part 4) and write your answer in the blank to the right. _____

6.) Your answer (from part 5) is the height of the rectangular prism below (in metres). Calculate the surface area of the prism (in m^2), and write your answer in the blank to the right. _____

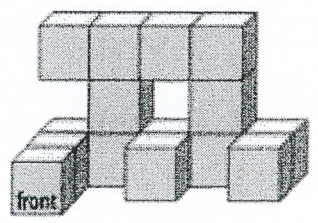


7.) Subtract 55 from your answer (from part 6), THEN find the square root of the difference. Write the square root in the blank to the right. _____

8.) Your answer (from part 7) is only divisible by two of the numbers below. PLEASE USE YOUR DIVISIBILITY RULES (NOT YOUR CALCULATOR) to determine which of the two numbers below are factors of your answer (from part 7). Write the product of the two numbers in the blank to the right. _____

- | | | | | | | |
|---|---|---|---|---|---|----|
| 2 | 3 | 4 | 5 | 6 | 9 | 10 |
|---|---|---|---|---|---|----|

9.) Determine the number of blocks you would actually be able to see if you looked at the group below directly from the back. Multiply this number by your answer (from part 8), and write the product in the blank to the right. _____



10.) Multiply your answer (*from part 9*) by (-4), and then by (-2). _____
write the product in the blank to the right.

11.) Add (-1400) to your answer (*from part 10*), and write the sum _____
in the blank to the right.

YOU ARE ALMOST FINISHED!!

If you have completed everything correctly to this point, you are eligible for a prize. In order to claim your prize, you must follow the steps below correctly:

1.) Find the sum of all of your answers for questions 1 – 11.

2.) Write the sum in the box below (to the right of the three symbols that are already in the box). WRITE YOUR SUM SO THAT THE DIGITS ARE THE SAME SIZE AS THE SYMBOLS IN THE BOX.

d0d

3.) Flip your page upside down, and read the word in the box. This will tell you what your prize will be. When you tell Mr. Clark what your award will be, he will give you that prize.