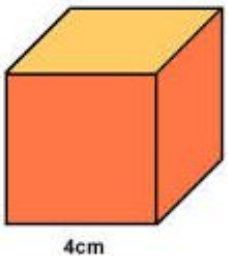
Name _____ Week of April 1st

Math & Science Homework Boxes

Monday

1. Find the **volume** of the cube.



2. Determine if the statement is **true** or **false**, and explain your reasoning.

- Trapezoids and rectangles are parallelograms.
- All rectangles are quadrilaterals, but not all quadrilaterals are rectangles.
- All squares are rectangles, and all rectangles are squares.
- Squares and rectangles are specific types of parallelograms.

Tuesday

1. Abby wants to build a yard for her dog, two of the sides are 15 feet long and two of the sides are 8 feet long. If all four angles are right angles, what is the shape of her dog yard?

2. If Abby wants to make a garden on ¼ of her yard, what square footage would her garden be?

3. Which statement correctly compares this parallelogram and this rectangle?

Parallelogram Rectangle

A. Both figures are polygons with four right angles.
B. Both figures are polygons with pairs of parallel opposite sides.
C. Both figures are polygons whose interior angles total 180 degrees.
D. Both figures are polygons with at least two acute angles.

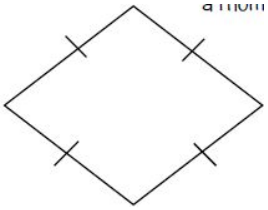
Wednesday

1. Which quadrilateral has exactly one pair of parallel sides?

2. Highlight and label all the quadrilaterals in this picture:

Thursday

1. Sammy and Kristen are having a disagreement. Sammy said the shape below is a square because all the sides are the same length, but Kristen says it's a rhombus. Who is correct and why?



2. What is the definition of a "regular" polygon? Draw 2-3 examples of regular polygons.

Monday	Tuesday
1. Which is a function of the cardiovascular system? a. to move water throughout the body b. to provide structural support for the body c. to eliminate waste from the body d. to transport gases throughout the body 2. Which characteristic do single-celled organisms and multicellular organisms have in common? A Both have cells with specialized functions for each life process. B Both perform all life processes within one cell. C Both have a way to get rid of waste materials. D Both are able to make food from sunlight. 3. What organs are involved in the circulatory system?	1. What is another job (different from Monday's!) of the circulatory system? 2. How do you think nutrition and exercise affect the body and its systems? 3. Which is not a type of blood vessel? a. Valve b. Artery c. Capillary d. Vein
Wednesday	**Thursday**
1. Which **best** describes the skeletal system? A. The skeletal system maintains posture and circulates blood. B. The skeletal system allows the brain to function at full capacity. C. The skeletal system allows air to circulate through the body into the lungs. D. The skeletal system provides support for the body and protects internal organs. 2. Which system of the human body provides protection to *most* of the major organs? How do you know? 3. Put these terms in the order from smallest to largest: *Tissue, organ, cell, community, organism, molecule, organ system, population, ecosystem*	1. Which best describes the relationship between the skeletal system and the circulatory system? a. The skeletal system transports red blood cells after the circulatory system produces them. b. The skeletal system protects red blood cells and the circulatory system pumps those cells through veins and arteries. c. The skeletal system produces red blood cells and the circulatory system transports those cells where they need to go. d. The skeletal system helps put oxygen in red blood cells and the circulatory system helps those cells rid the body of carbon dioxide. 2. Why are our skeletons so important? 3. What body system is primarily being used if you are running as fast as you can at recess and can feel your heart racing?