<u>Maths</u>

This is what we revised this week to help us get ready for Y7

<u>Multiples</u>

If 45 is a multiple of 5 (which it is), then 450 is also a multiple of 5. How?
    5x9x10=450

    5x9x10x10=4500 (another multiple of 5)
    5x9x10x10x10=45,000 (another multiple of 5)

Give some multiples of 6 greater than 100
Give some multiples of 7 greater than 200
Give some multiples of 9 greater than 200, less than 300

Multiples of 4 over 100
Multiples of 8 between 301 and 401
Common multiples of 5 and 3
Common multiples of 30 and 40

<u>Perimeter and Area</u>

We revised the difference between perimeter (the distance along the OUTSIDE edge of a 2d shape) and area (the amount of space INSIDE a 2d shapes)

We measured the perimeter of various rectangles and devised a rule
    (Length + Width) x 2

We measured the area of various rectangles and devised a rule
    Length x Width

We practiced calculating the area and perimeter of various rectangles until we were excellent at it

Then we tried to solve these puzzles:

1) Investigate: In a rectangle, the area is **always** greater than the perimeter?

2) Can there be a rectangle where the area and perimeter are equal.

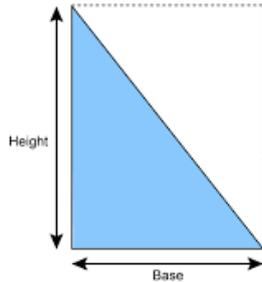3) The area of the rectangle is 24 sq cm/30 sq cm/48 sq cm… what are the dimensions?

4) The perimeter of the rectangle is 20cm/12cm/17cm… what are the dimensions?

5) Bob's rectangular garden is 10m long and 8m wide.
Bazza's rectangular garden is 3m shorter but 3m wider
Whose garden is the biggest? By how much?

We revised calculating the area of a triangle

The rectangle is 10 x 4.
What's its area?
What's the area of each triangle?

Rule for measuring the area of a triangle
(Base x Height) -:- 2

We measured the area of various triangles

We investigated this: if area of the triangle is 20sq cm/30sq cm/40 sq cm… what could its base and height be?

We also calculated the area of COMPOUND shapes including parallelograms and trapeziums (remember them?). You'll have to do your own research on how to do that, though.