Develop a Park

Materials
• BLM Area of Park
• ruler
• compass
• protractor

You are developing a park area that is 300 m by 400 m.

You want the following sections and sizes.

Activity	Area
Baseball	$\frac{1}{3}$
Skateboard	$\frac{1}{12}$
Tennis	$\frac{1}{12}$
Picnic Area	$\frac{1}{4}$

1. Determine the area of the park.

2. Show each section on your diagram of the park.

3. How much of the park is being left undeveloped? Express your answer as a fraction and in square metres.

4. Create and label a circle graph to display your park data.

5. A circular wading pool is being added to the undeveloped section.
　a) Plan a location for your pool.
　b) How big will the pool be?
　c) Calculate the circumference and area of the pool. Justify your calculations.