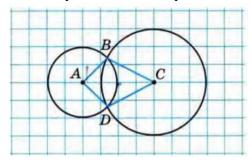
Math5 Battle March 25 2018

1. Given a line and a point not on the line, can you construct with a ruler and compass a new line that is parallel to the original line and goes through the point?

- 2. Given 3 segments a, b, c. Construct a triangle using ruler and compass.
- 3. Find the perimeter of the quadrilateral ABCD if the side of the square of the grid is 5 mm.



What is the number of the car's parking space?

16	06	68	88		98
2	0	0	0)	Q

- 5. How many ways one can arrange 5 different books on a shelf?
- 6. Explain the rule, why 4 is the magic number:
 - a. 1, 3, 5, 4
 - b. 80, 6, 3, 5, 4
 - c. 100, 10, 3, 5, 4
- 7. Solve the equation 9876 2(9876 2(9876 2x)) = x
- 8. Find the remainder upon division by 99 of 1000 : :: 0 (98 zeros). *Hint: what is the remainder upon division by 99 of 100?*