

# Where Should I Pitch My Tent?

## Essential Math Grade Nine

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**Description of Lesson:** Students research the general size of the plowing match and what kind of companies/organizations have different displays.

### Expectations

**DCMV.01** - estimate and measure length, capacity, and mass, in order to consolidate understanding of the metric system;

**DCM1.01** – investigate, discuss, and describe applications from everyday life and the workplace that would involve the measurement of length in commonly used metric units (millimetre, centimetre, metre, and kilometre);

**DCM3.01** – explore and describe situations from everyday life and the workplace that require calculation or measurement of perimeter (e.g., fencing, wall paper borders, the baseboard around a room, the distance around a track or a baseball diamond);

**DCM3.02** – estimate, measure, and calculate perimeters drawn from applications in everyday life and the workplace;

**DCM3.03** – explain and illustrate how to determine the perimeter of any figure bounded by straight line segments

**DCM3.04** – explore and describe situations from everyday life and the workplace that require calculating and measuring area (e.g., buying wallpaper, floor tiles, sod, patio slabs);

### Resources

Graph paper, computer for research, templates

### Assessment

Rubrics - see achievement charts

### Lesson Steps:

#### Introduction/Activity 1

Have students tell them they are in charge of coordinating where the tents are placed for all the different displays. Give them a fee for this job.

#### Activity 2

Have students research all the different displays at the plowing match. Teacher could show pictures of different displays especially car and truck ones. Have students estimate how much space is needed for each display or event.

#### Activity 3

Students can then use graph paper and plot all the different displays using a scale. They can present their findings to the class.