Let's Play! - One Metre Canola Dash Madness! [11]

Canola plants grow roughly between 1-2 metres (m) tall. The average pod length for canola is 5 centimetres (cm) and the diameter of a seed is 1 millimetre (mm).

[**Diameter** is the longest distance across a circle from edge to edge.]

Materials:

- Ruler
- Metre stick
- Pencil
- Paper

Objective of the game:

To earn the highest number of points by estimating and measuring the actual length of objects in the classroom with your teammate.

Getting Ready to play:

[**Note to teachers or parents:** This game can be competitive. Be sure to group students into fair teams ahead of time regarding skill set.]

1. Your teacher will assign you a partner and together you will compete against other groups.
2. Your team will need both a metre stick, ruler, pencils and the chart on page 43.
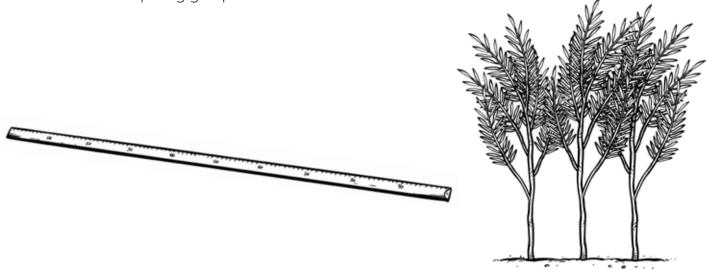
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How to play:

1. The teacher or guardian will tell the groups when they can begin and end.
2. With your partner, look around the room and find the following objects that you both can estimate the length of for the following categories:

   - 3 objects that measure 1 m
   - 3 objects that measure 10 cm
   - 3 objects that measure 5 cm
   - 3 objects that measure 1 mm

How to estimate: look at the object and give your best guess of how long the object would be without using a ruler or metre stick

3. Write down the name of your object in the table (see example).
4. Record the estimated length of your object in the estimated length section of the table (see example).
5. Next, measure the length of the object with either a ruler or metre stick to see how close your partner and you were with your estimate. Record the actual length of the object in the table (see example).
6. Your group will then record the total number of items you were successfully able to finish measuring with your ruler or metre stick for bonus points in the table.
7. If your group is within 1 mm of all required measurements for that object, give your group an extra 5 points for that specific object (see example under "is the item within 1 mm of estimate?").
8. Your group can earn 2 additional bonus points by correctly identifying how many millimetres are in a centimetre, and how many centimetres are in a metre (record your answer in table below).
9. Total your groups overall score (in "total points" section of table) and share your results with other competing groups to determine a winner.

One Metre Canola Dash Madness!
Gameboard

	Item you found that you think is close to the length you are estimating	Estimated length	Actual length	Is the item within 1mm of the estimated length? (yes = 5 points no = 0 points)
Example: Object 1: 1m	Example: Desk height	Example: 1m	Example: 1m and 22cm	Example: no = 0 points
Object 1: 1m				
Object 2: 1m				
Object 3: 1m				
Object 1: 10cm				
Object 2: 10cm				
Object 3: 10cm				
Object 1: 5cm				
Object 2: 5cm				
Object 3: 5cm				
Object 1: 1mm				
Object 2: 1mm				
Object 3: 1mm				
Total of how many items estimated and measured (1 bonus point for each item)	Answer:			
How many centimetres (cm) are in 1 metre (m)? (2 bonus points)	Answer:			
How many millimetres (mm) are in 1 centimetre (cm)? (2 bonus points)	Answer:			
TOTAL POINTS:				