

# How long is your step?



Work with a partner for this activity

## PART A

1. Walk a distance of 5 steps. Make sure you mark the starting point and the stopping point.
2. Measure the distance you walked (take turns with your partner)
  - a. In metres: \_\_\_\_\_
  - b. In centimetres: \_\_\_\_\_
3. Divide the distance in centimetres you measure above by the number of steps (5 steps): \_\_\_\_\_
4. This will be your average step length in “centimetres per step” (cm/step).
5. How far would you travel in 20 steps? \_\_\_\_\_

Show how you obtain your answer:

## PART B

Now you will complete the following table:

Number of steps	Distance travelled
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

# PART C

Now you will create a graph showing how the distance travelled varies with the number of steps you walked. On the grid provided draw your set of axes as shown here:



You need to make sure that you use a suitable scale !!

