

Today's maths **activity** is the following...



seppo.net

With **permission** for your parent or guardian and using your mode of measurement of choice, walk **2KM** from your house and



Using your phone or watch **accurately** time yourself on your way back – it can be walking or running – up to you!

When you get back – **Record**

- 1) Date and time of experiment
- 2) Mode of measurement used
- 3) Time taken
- 4) Whether you were running or jogging (we'll do different calculations for both!)
- 5) Use the formula speed

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

HINT: here is a little video on using this formula if you need help ...watch it here <https://www.youtube.com/watch?v=-Lklupi0jI>

- 6) Record your speed
- 7) Send me your results
- 8) Once I have them all collected I will post a table of results on our Edmodo class site
- 9) We can then produce bar charts, pie charts, stem and leaf graphs, line plots for those walkers and likewise for the runners  
We can also calculate the following statistics - mean, median, mode, range for both groups

HINT: take a few minutes to **revise** these terms!

**MEAN** • The sum of a set of numbers divided by the number of numbers in the set. 🤨

• The middle number when data are arranged in numerical order. **MEDIAN** 😊 😐 😊

**MODE** • The number that occurs most often in a set of numbers. 🍌 🍌 🍌 🍌 🍌

• The difference between the greatest and least numbers in a set of data. **RANGE** 😊 😊

**Types of Graphs:**

- ▶ Bar graph
- ▶ Line graph
- ▶ Circle graph (pie chart)
- ▶ Histogram
- ▶ Stem and Leaf Plot

15, 16, 21, 23, 25, 26, 26, 30, 32

| Stem | Leaf    |
|------|---------|
| 1    | 5 6     |
| 2    | 1 3 3 6 |
| 3    | 0 2     |
| 4    | 1       |

I'm off to do mine now

Enjoy! 😊👉