

Name: _____

Date: _____

Learning Goal 5.2

I can express relations as expressions, in a table of values and on a graph.

Pick someone (or multiple people) to run/walk with! Make sure one of you has a phone or watch for timing.

I am going to WALK RUN (circle one)

1. Time yourself walking/running 100 m:

2. Put your distance and time in the first row of the table of values below. Use your time for 100 m to make a table of values for the following distances: 400 m, 800 m, 1200 m, 1600 m, and 2000 m.

3. Based on your table, what is your prediction for how long it will take you to walk/run 400 m?

4. Now you are going to walk/run 400 m. Time yourself. Write down your time:

5. Based on your table, what is your prediction for how long it will take you to walk/run 800 m?

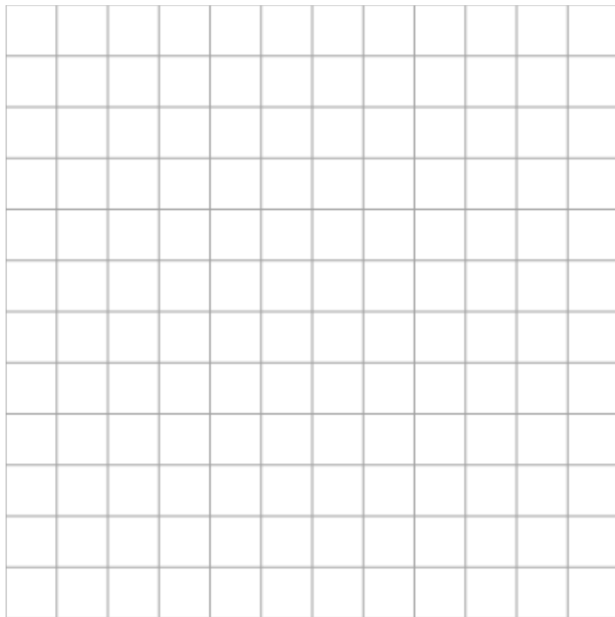
Distance	Time

6. Now you are going to walk/run 800 m. Time yourself. Write down your time:

7. Make a table of values of your actual times it took you to walk/run 100 m, 400 m, and 800 m.

Distance	Time

8. What is your prediction for how long it will take you to walk/run 2000 m?
9. What assumptions are you making when you make your prediction? Why might your prediction(s) be wrong?
10. Make a graph that matches each table (your “prediction” table and your “actual time” table).

Prediction Graph**Actual times Graph**

Is the graph linear?

Is the graph linear?