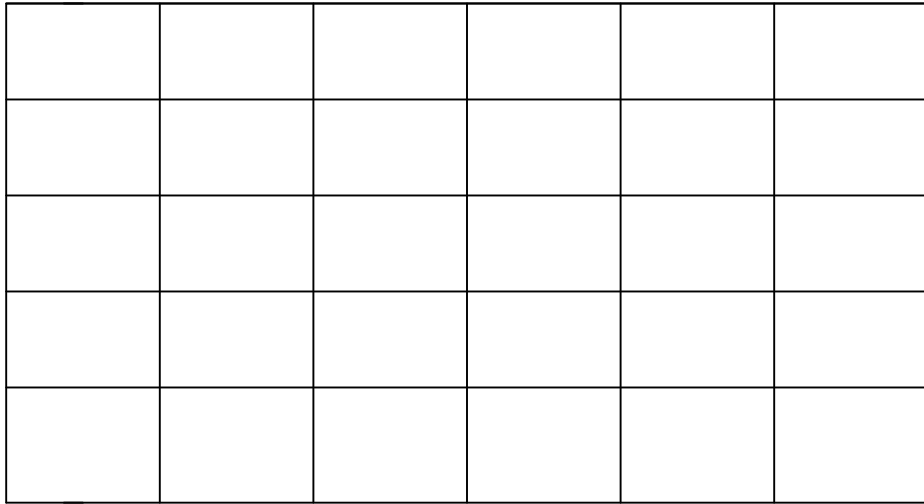


The Runner - A Graphing Activity

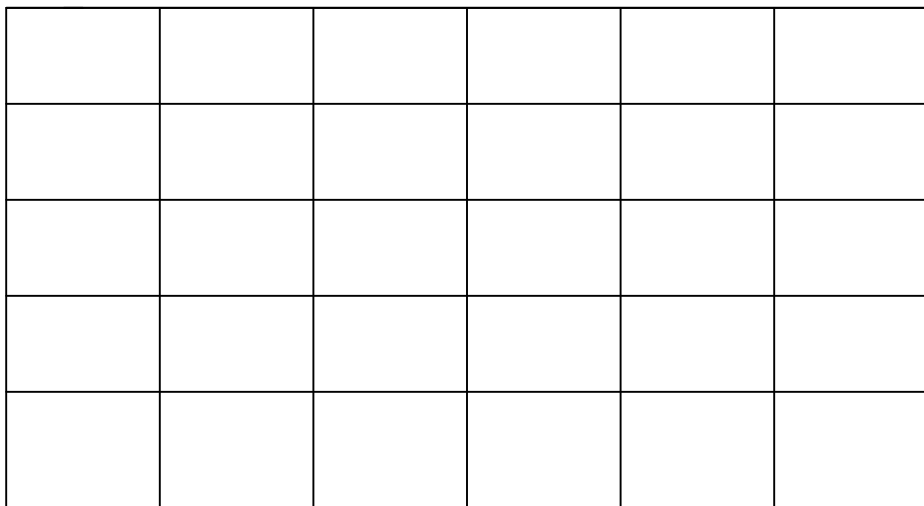
A runner starts her workout by jogging slowly at a steady pace for ten minutes. She then runs fast for twenty minutes, but catches up with a friend who is a slower runner. She runs with him for fifteen minutes and then, for the final five minutes, walks to cool down. On the first grid below, draw a possible graph of her speed as a function of time. On the second grid, draw a possible graph of her distance traveled as a function of time.

SPEED



0 10 20 30 40 50 60
MINUTES

DISTANCE TRAVELED



0 10 20 30 40 50 60
MINUTES