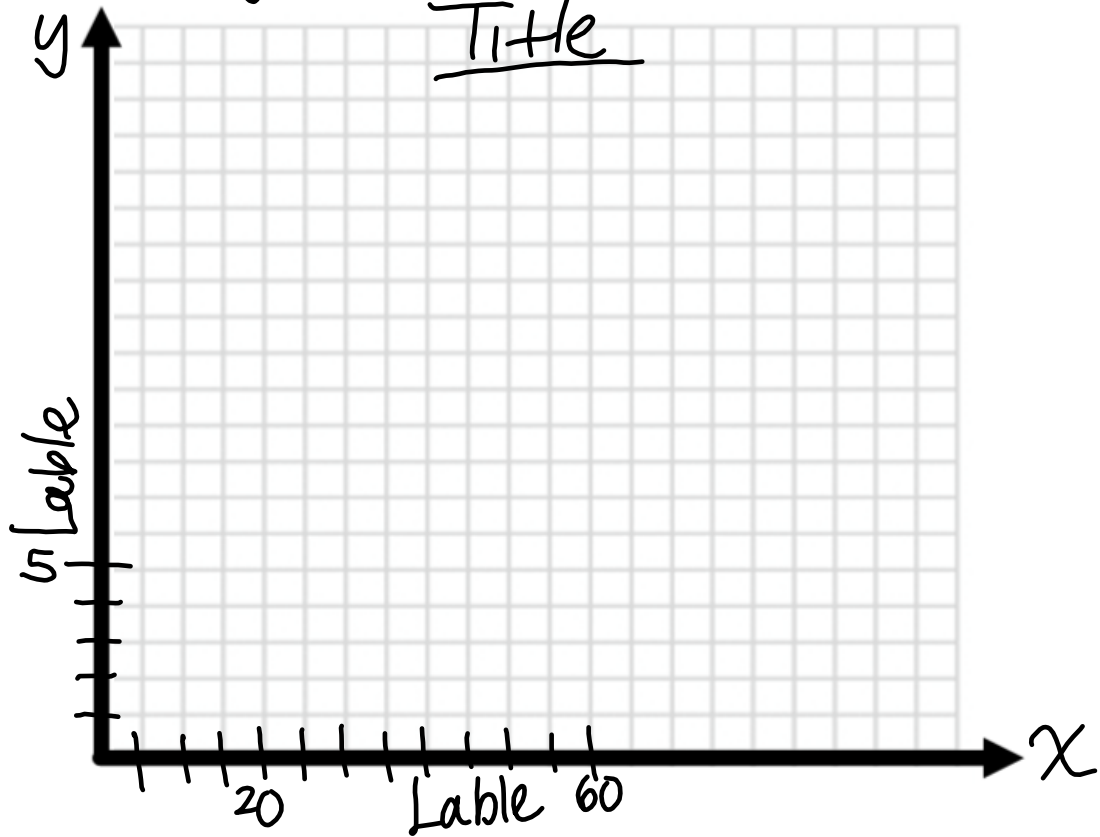


Ch 3: Linear Equations



Independent Variables

Independent variable happens **first**

X-axis

Time Temperature

Months Amount of Rain

Age Growth

Years in school Knowledge

Hours worked Money Made

Doing your chores Going to the movies

Dependent Variables

Dependent variable happens **second**

y-axis

Circle the independent variable and

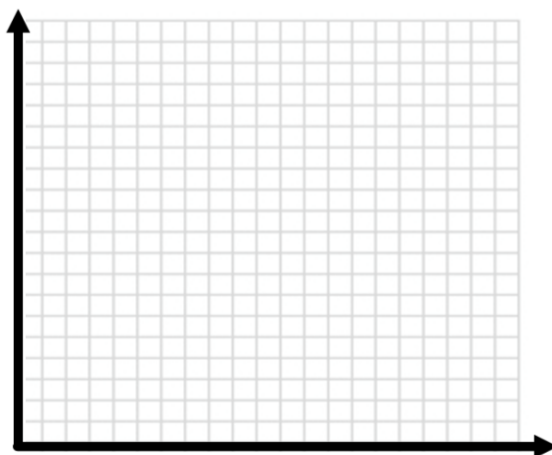
underline the dependent variable in each of the following:

1. the number of people visiting the zoo and the rainfall.
2. gas mileage and speed of the car.
3. income and age.
4. time and temperature.
5. number of items purchased and the total price. *
6. hot dogs sold and number of people at the blazer game.
7. number of video games sold and price.

CLIMATE In warm climates, the average amount of electricity used rises as the daily average temperature increases, and falls as the daily average temperature decreases.

Identify the independent and the dependent variables for this function.

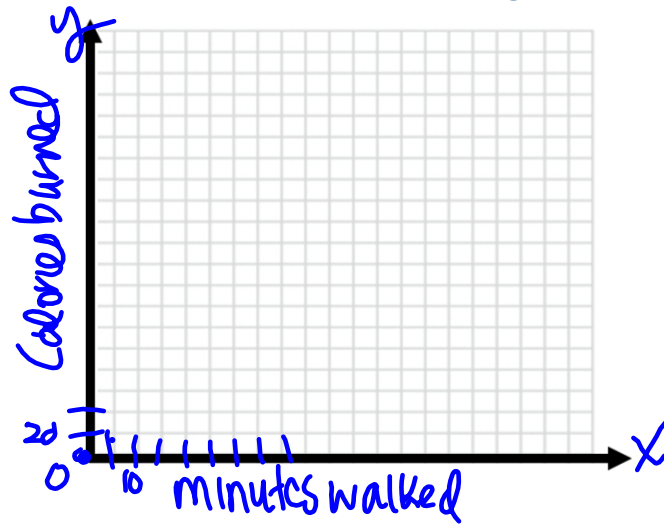
What are appropriate increments for our grid? Labels?



The number of calories you burn increases as the number of minutes that you walk increases.

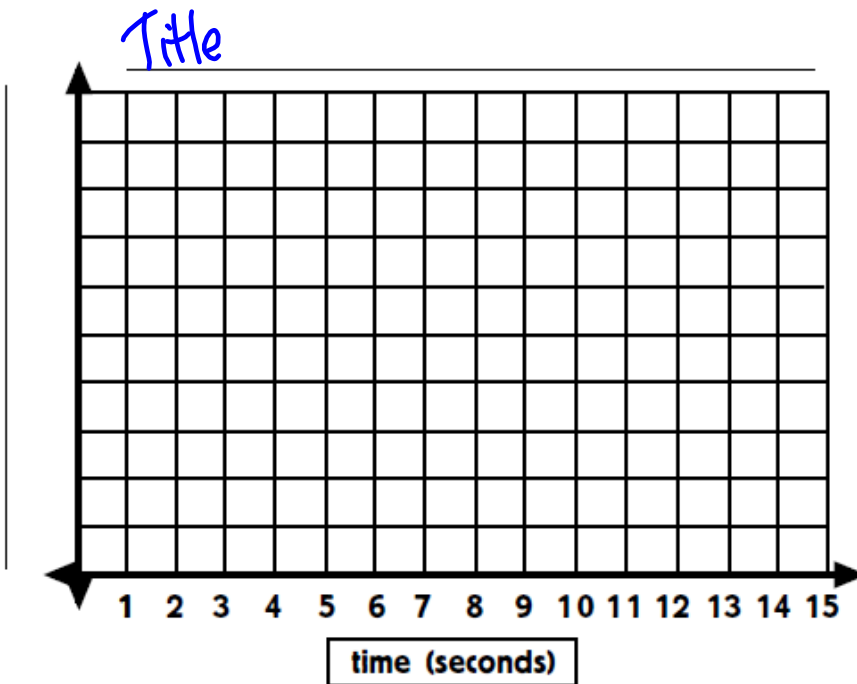
Identify the independent and the dependent variables for this function.

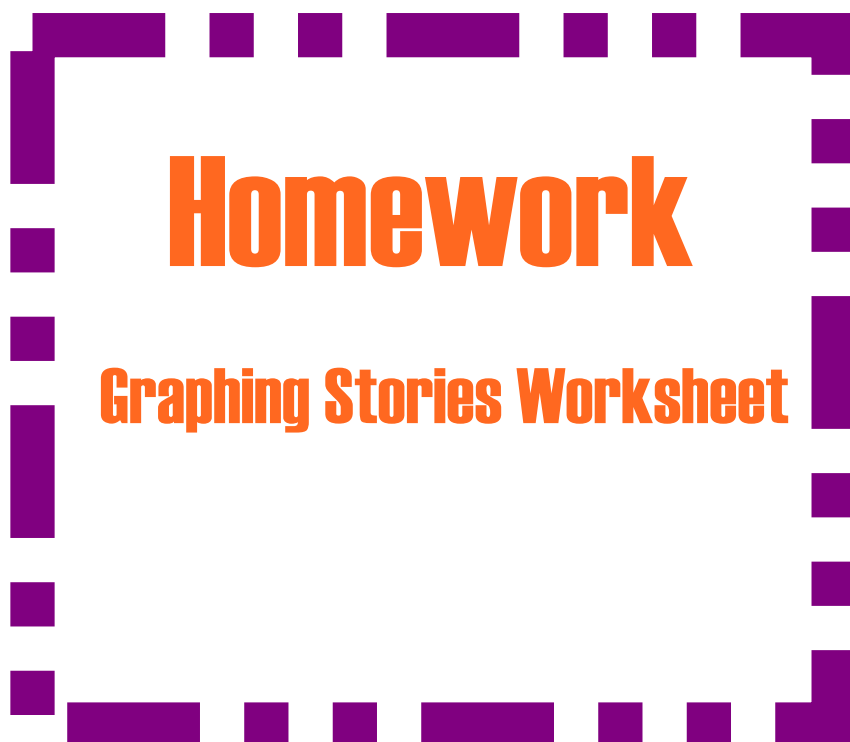
What are appropriate increments for our grid? Labels?



Graphing Stories

1.





Homework

Graphing Stories Worksheet