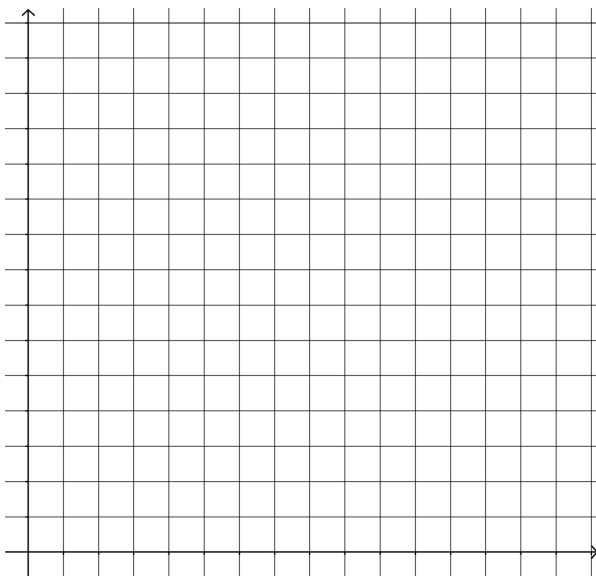


The two quantities are: _____ and _____

Verbal Description: One or more complete sentences describing the relationship

Table of Values

Graph
Label each axis!



Equation:

Explain in words what each letter and number in your equation means:

Explain how you know the relationship is or is not proportional. Give as many reasons as you can:

Sentence Starters

The most surprising combination of things was _____
because _____
_____.

The group _____ should check their
work where they _____
_____.

I really liked when the group _____ did this
_____ because
_____.

Sentence Starters

The most surprising combination of things was _____
because _____
_____.

The group _____ should check their
work where they _____
_____.

I really liked when the group _____ did this
_____ because
_____.

One Scenario, Four Representations

The two quantities are: d yards or distance traveled during in the race in yards;
 t minutes or time in minutes that has elapsed in the race.

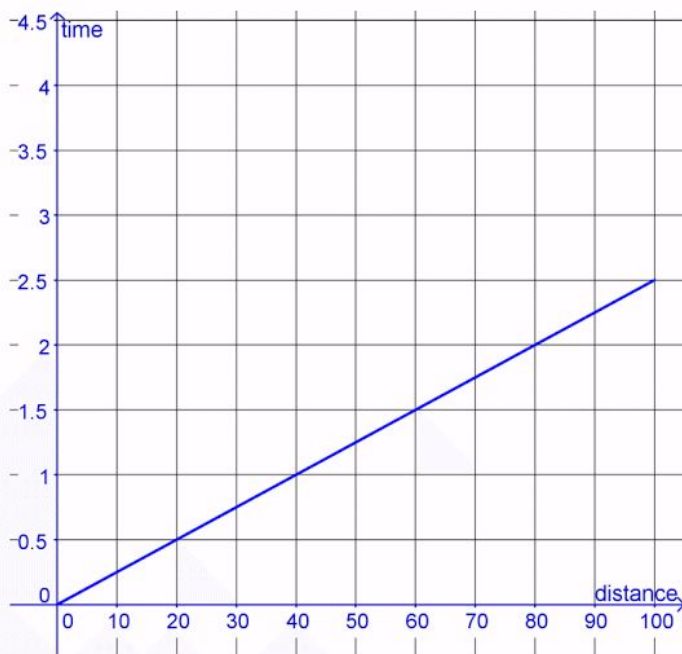
Verbal description: One or more complete sentences describing the relationship.

Adan and Mike are teammates in a 100-yd three-legged race. Their friend Ceril is timing them. Ceril notices that they pass the 20-yd marker at $\frac{1}{2}$ minute, the 40-yd marker at 1 minute, and the 60-yd marker at 1.5 minutes.

Table of Values

d	t
20	$\frac{1}{2}$
40	1
60	1.5
80	2
100	2.5
1	$\frac{1}{40}$

Graph
Label each axis!



Equation: $t = \frac{1}{40}d$

Explain in words what each letter and number in your equation means:

t represents the time in minutes that has elapsed in the race, d represents the distance in yards they have traveled, and $\frac{1}{40}$ is the constant of proportionality. It takes them $\frac{1}{40}$ of a minute to travel 1 yard.

Explain how you know the relationship is proportional. Find as many reasons as you can. This relationship is proportional because: each value of d in the table can be multiplied by $\frac{1}{40}$ to get the corresponding value of t . The graph is part of a line that goes through the origin and Quadrant I. The equation can be written in the form $d = kt$.