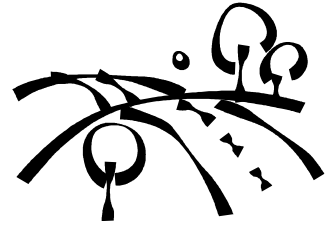


This work sample has been revised.

Name \_\_\_\_\_ Teacher \_\_\_\_\_ Date \_\_\_\_\_

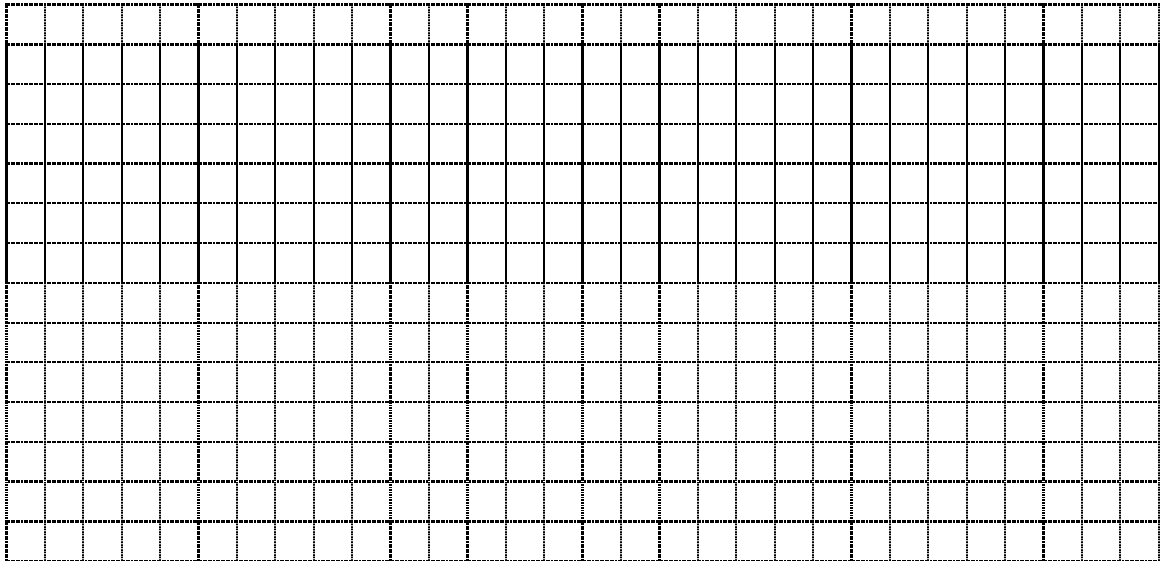
# Tanner's Trip



Tanner drove from Vancouver to Spokane. He recorded in the table, starting from Vancouver, the time and distance traveled along the way.

City	total time (hours)	total traveled distance (miles)
The Dalles	1.3	90
Boardman	2.25	168
Kennewick	3.0	218
Ritzville	4.25	293
Spokane	5.5	356

1) Put the information into a scatter plot. Include a title and labels.



2) About how far had Tanner traveled in 3.5 hours? Explain how you arrived at your answer.

- 3) On the scatter plot, draw a line which gives a good approximation of the trend in the data.
- 4) Based on the line you drew, when Tanner continues to travel at the same rate, about how far will he travel in 7 hours? Use data from the graph to support your answer.
- 5) Write an equation to approximate the distance Tanner has traveled based on how many hours he has traveled. Define any variables you use.
- 6) Use your equation to approximate the distance Tanner has traveled in 7 hours. Show how you solved your equation.
- 7) How do the line from problem 3 and the equation from problem 6 show the same information? Include specific information from the graph and the equation in your explanation.

---

---

---

---

---

---

---

---

---

---