

Question 13 is an open-response question.

- Be sure to answer and label all parts of the question below.
- Show all of your work (diagrams, tables, or computations) below.
- If you do the work in your head, explain in writing how you did the work.

- 13** Katie is floating down a river in a kayak. The table shows how the total distance she has traveled is changing over time.

**RIVER KAYAKING**

Time (in hours)	Total Distance (in kilometers)
1	4
2	8
3	12
4	16
5	20

- a. Use words to describe the relationship between time and total distance traveled.

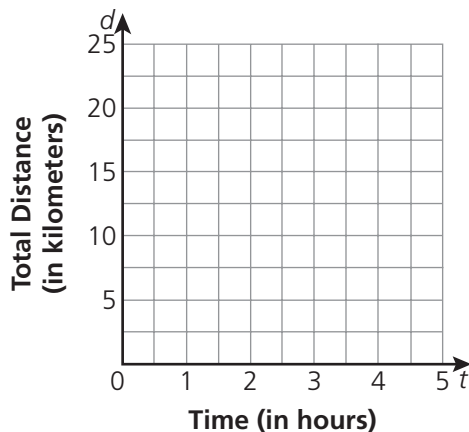
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- b. If  $t$  = time in hours and  $d$  = total distance traveled, write an equation to show the relationship between  $t$  and  $d$ .

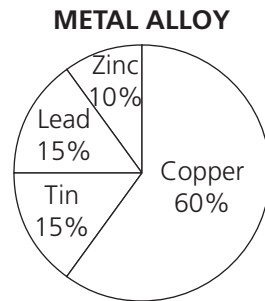
**Answer:** \_\_\_\_\_

- c. Draw a line on the graph below to show the relationship between time and total distance traveled.



Circle the letter of the best answer to multiple-choice questions 14 through 16 below. You may do your figuring in the test booklet.

- 14 The circle graph shows the composition of a certain metal alloy.



A statue made of this metal alloy weighs 800 pounds. How much copper was used to make the statue?

- A 320 lb
  - B 400 lb
  - C 480 lb
  - D 600 lb
- 15 What is the value of  $10^4$ ?
- A 40
  - B 1,000
  - C 4,000
  - D 10,000
- 16 What is the least common multiple of 10 and 12?
- A 20
  - B 30
  - C 60
  - D 120