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# Additional 

## Another Look!

Allison can hike 2 miles in an hour. At that speed, how far would she walk in 7 hours?
Time (h) $\quad 1: 2: 3$

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Distance (mi) :2 : 4 : 6
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Plot the ordered pairs from the table.
Draw a line to show the pattern.
Then extend the line to where the $x$-coordinate is 7 . Read the $y$-coordinate when the $x$-coordinate is 7 . The $y$-coordinate is 14 .

So, Allison can hike 14 miles in 7 hours.


In 1 and 2, find the missing coordinates and tell what the point represents.
1.

$(18,1,500)$; When the elephant is 18 months old, it weighs 1,500 pounds.
3. Write the coordinates of another point on the line in Exercise 2. Then plot and label the point on the graph.
Sample point: (48, 72); Check students' graphs.
2.
2.

(32, 48); When Nancy had earned \$32, Anna had earned \$48.
4. What does the ordered pair for the point you found in Exercise 3 represent?
Sample answer: When Nancy had earned $\$ 48$, Anna had earned $\$ 72$.

In 5-7, use the graph at the right.
5. Jamie is making a graph to show her total earnings, $y$, after babysitting for $x$ hours. Graph Jamie's first four points below on the grid at the right. Use a ruler to draw a line connecting the points.
$(1,6)(2,12)(3,18)(4,24)$
6. Describe what one of the points represents. Sample answer: Jamie earns \$24 after working 4 hours.

7. Higher Order Thinking Write a rule to describe the relationship shown in the graph. Then name two other points that would be on the graph if the line were extended.
Sample answer: Jamie earns \$6 per hour babysitting; $(5,30)$ and $(6,36)$
8. A.z Vocabulary Complete the sentence using one of the terms below.

## $x$-axis $y$-axis origin

On a coordinate grid, the $x$-axis is horizontal.
9. Be Precise The area of a rectangle is 105 square centimeters. The width of the rectangle is 7 centimeters. What is the perimeter of the rectangle? 44 centimeters

## Assessment Practice

10. What does the point $(3,10)$ represent on the graph at the right?
(A) After 3 months, the total rainfall was 7 inches.

B After 3 months, the total rainfall was 10 inches.
(C) After 10 months, the total rainfall was 3 inches.

(D) After 10 months, the total rainfall was 7 inches.

