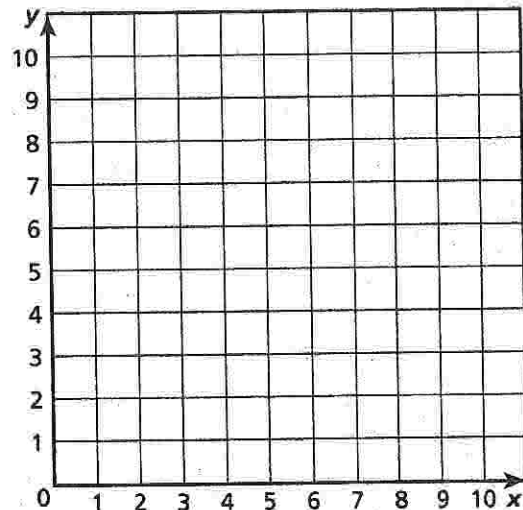


Homework

The *add 3* table below shows a numerical pattern in the left column and the result of adding 3 in the right column.

add 3	
0	3
1	
2	
3	
4	

(x, y)
(____, ____)
(____, ____)
(____, ____)
(____, ____)
(____, ____)

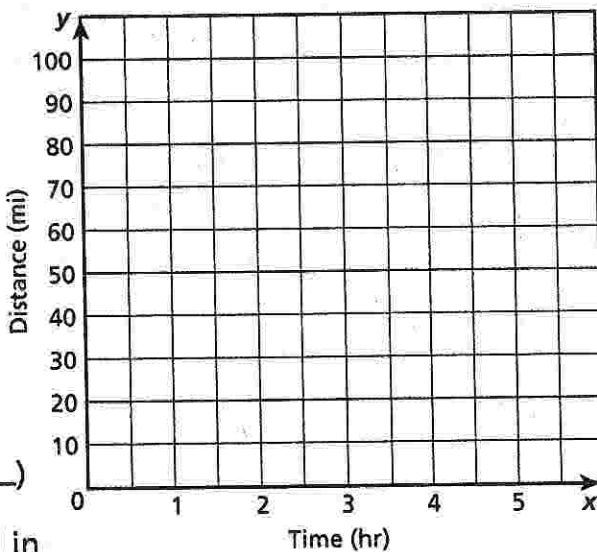


1. Complete the *add 3* table.
2. Complete the (x, y) table.
3. Each (x, y) pair of terms represents a point. Graph and connect the points.

A freight train is traveling at a constant speed of 20 miles per hour.

4. Complete the table to show the distance the train will travel in 0, 1, 2, and 3 hours.

Time (hr)	0	1	2	3
Distance (mi)		20		



5. Write the ordered (x, y) pairs the data represent. Then graph and connect the points and extend the line.
 (____, ____) (____, ____) (____, ____) (____, ____)
6. How far would you expect the train to travel in $2\frac{1}{2}$ hours? Explain your answer.

Remembering

Multiply.

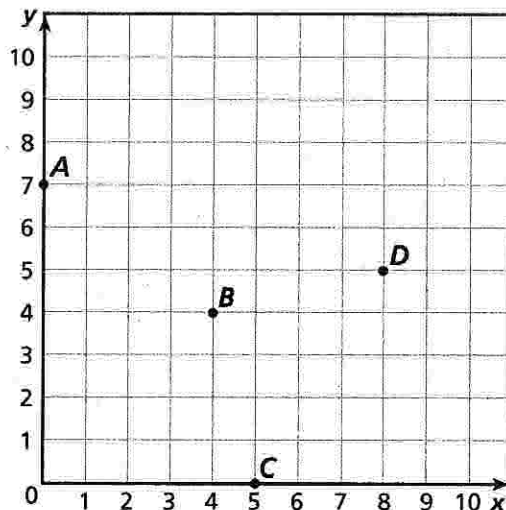
$$\begin{array}{r} 1. \quad 76 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 199 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 7,907 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 98 \\ \times 78 \\ \hline \end{array}$$

Use the coordinate plane below to answer the questions.



Write an ordered pair to represent the location of each point.

5. point A

6. point B

7. point C

8. point D

9. **Stretch Your Thinking** Give the ordered pair for a point E so that when the points B , D , E , and C are connected (in that order), a square is formed. Then, find the area of square $BDEC$.
