

Key

Name:

Hour:

Practice Constructing Line and Bar Graphs

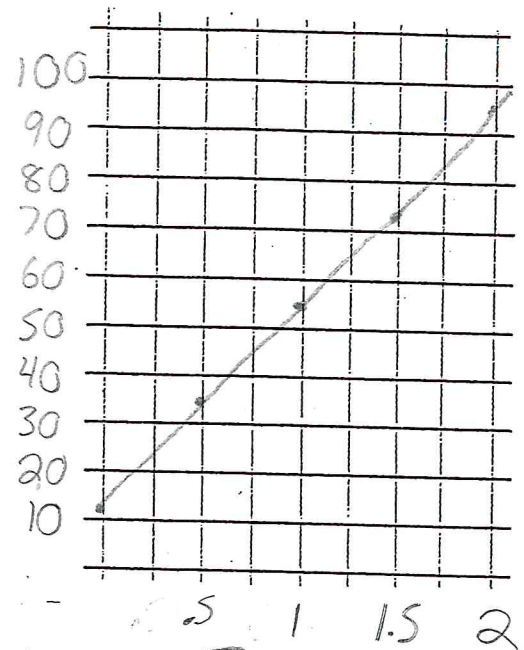
Directions: Use the given data to construct an appropriate graph. Make sure each graph includes the following:

1. Title
2. Labeled x and y-axes
3. Consistent intervals
4. Correctly plotted data
5. Relationship or trend - pattern noticed in the data

1. Construct a line graph using the given data.

Time (hours)	Score on Test (%)
0	14
.5	35
1	55
1.5	72
2	95

Score on Test



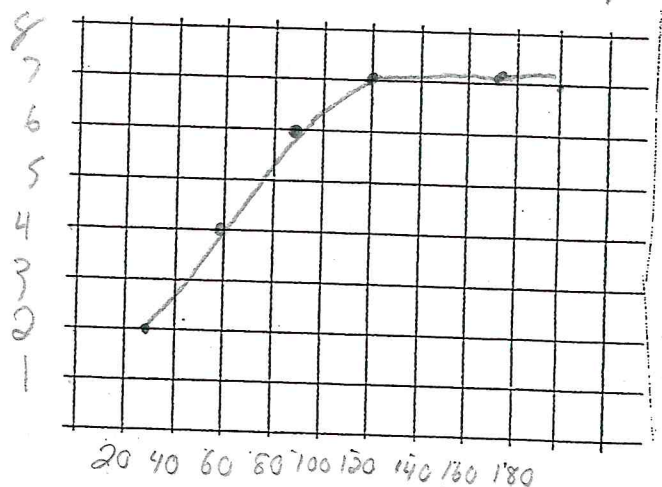
2. Identify the independent variable. *Time*
3. Identify the dependent variable. *score*
4. What interval scale is on the y-axis? *10*
5. State the relationship indicated in the graph.

More time studying the better your score

6. Construct a line graph using the given data.

Time (sec)	Amount of substrate used (ml)
0	0
30	2
60	4
90	6
120	7
150	7
180	7

Substrate Produced



7. Identify the independent variable. *Time*
8. Identify the dependent variable. *substrate*
9. Which variable is purposely changed by the experimenter? *Time*
10. Which variable is being measured? *Substrate*
11. State the relationship indicated in the graph. *positive*
12. How much substrate do you think will be used after 200 seconds? *7*
13. Which type of relationship does this graph show?

As time increases so does the substrate until 180 sec then its constant.