

HYDROVILLE CURRICULUM PROJECT

Student Background Theme Evaluation
Activity 3: Constructing and Analyzing Graphs
- Circumference and Diameter
(Questions 21 – 40 on Scantron Sheet)

Now that you have completed the Circumference and Diameter Activity, we would like you to answer a few questions about what you did and what you learned.

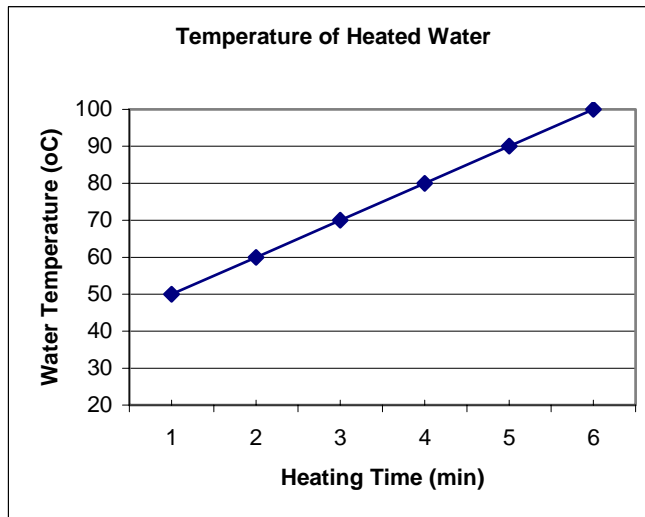
Refer to the chart below to answer the following questions.

21. How long will it take to heat the water to 90° C?

- A. 4.5 minutes
- B. 5.0 minutes
- C. 5.5 minutes
- D. 6.0 minutes

22. What is the water temperature after 2 ½ minutes of heating?

- A. 60° C
- B. 61° C
- C. 65° C
- D. 70° C



23. Standards are useful because

- A. they use known data to help determine unknown values.
- B. each graph is different.
- C. every graph can be the same.
- D. they provides source of experimental data.

Listed below are a number of things that you did as part of the activity. Please indicate how interesting each one was to you.

24. Collecting data by taking measurements of circular objects.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

25. Creating a scatter plot of the data you collected.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

26. Plotting a line of best fit to the scatter plot.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

27. Using your scatter plot to solve problems.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

28. Working together on this activity with other students as a team.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

29. How much writing have you done in your Hydroville Learning Log about this activity? (mark only one answer)

- A. Quite a bit (a page or more)
- B. Some writing (about a half page)
- C. A little bit (a few lines)
- D. I haven't done any writing

30. If you HAVE NOT done any writing in your Hydroville Learning Log about this activity, what are your reasons? (mark all answers that apply)

- A. I haven't started a Hydroville Learning Log
 - B. I don't have time
 - C. I don't know what to write about
 - D. I'm not a good enough writer
 - E. Other:
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Part of this activity involved working with other students in a team. In working on this activity, how difficult did you find each of the teamwork elements listed below?

31. Expressing my ideas verbally to others.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

32. Listening to others.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

33. Staying on task with the group.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

34. Asking teammates for help.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

35. Receiving criticism from other team members.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

36. Giving praise to the ideas or work of others.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

37. Getting along with everyone on the team.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

38. Using my time efficiently.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

39. Overall, how well would you say your team worked together on this activity?

- A. Worked very well
- B. Worked well
- C. Worked OK
- D. Worked poorly
- E. Worked very poorly

40. Overall, how would you rate your experience of teamwork on this activity?

- A. Very positive
- B. Positive
- C. Neither positive nor negative
- D. Negative
- E. Very negative