

Student Activity Book

Rolling Along with Links (SAB pp. 178–181)

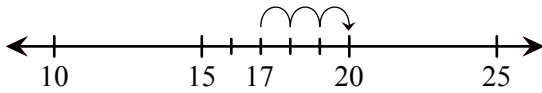
Questions 1–8

\* See Figure 4 in Lesson Guide 3 for a sample picture. Data tables, graphs, and answers to Questions 1–5 will vary.

\* See Figure 7 for a sample data table.

\* See Figure 8 for a sample graph.

- 6. 32 links;  $20 + 12 = 32$
- 7. 3 links;  $17 + 3 = 20$  or  $20 - 17 = 3$
- 8. Possible response: I counted up on the number line from 17.



Name \_\_\_\_\_ Date \_\_\_\_\_



How far did each type of car roll? Record the distance in the data table below.

Rolling Along with Links

T Type of Car	D Distance Rolled (in links)

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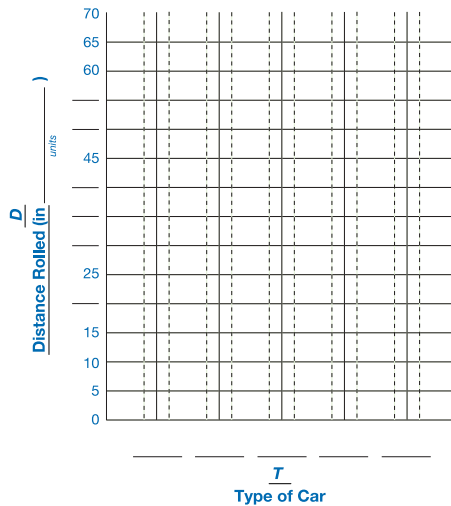
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Name \_\_\_\_\_ Date \_\_\_\_\_



Make a bar graph of your data. Fill in the proper units.

Rolling Along with Links



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Name \_\_\_\_\_ Date \_\_\_\_\_



Answer the questions below. Use your data table and graph. Include labels. If needed, write a number sentence.

1. Which car was the best roller? \_\_\_\_\_
2. How far did the best roller go? \_\_\_\_\_
3. Which car was the worst roller? \_\_\_\_\_
4. How far did the worst roller go? \_\_\_\_\_
5. How much farther did the best roller go than the worst roller?  
Number Sentence \_\_\_\_\_
6. Susan's car rolled 20 links. David's car rolled 12 links farther than Susan's. How far did David's car roll?  
Number Sentence \_\_\_\_\_
7. Tom's car rolled 17 links. Rico's car rolled 20 links. How much farther did Rico's car roll?  
Number Sentence \_\_\_\_\_
8. Show or tell how you solved Question 7.

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\*Answers and/or discussion are included in the lesson.

Name \_\_\_\_\_ Date \_\_\_\_\_

### Brian's Class

Brian's class found the data shown in the graph below.

**Brian's Class Graph**

Type of Car	Distance Rolled (in links)
truck	25
car	10
moon buggy	22

- Which was the best roller?  
\_\_\_\_\_
- Which was the worst roller?  
\_\_\_\_\_
- How much farther did the truck travel than the car?  
\_\_\_\_\_
- About how far did the moon buggy roll?  
\_\_\_\_\_
- How much farther would the truck have to roll to reach a distance of 30 links?  
\_\_\_\_\_

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**Brian's Class (SAB p. 183)**

**Questions 1–5**

- truck
- car
- 15 links
- 21 or 22 links
- 5 links

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Name \_\_\_\_\_ Date \_\_\_\_\_

**Two Car Roll-off**

**Homework**

Dear Family Member:  
Your child completed a lab where he or she rolled cars down a ramp and used links to measure the length the cars traveled. Help your child count the links in the picture below and complete the questions.  
Thank you.

**Two different cars rolled from two different ramps. In the drawing below, you are seeing the tops of the cars from above.**

- How far did Car A roll? \_\_\_\_\_
- How far did Car B roll? \_\_\_\_\_

**Ramp 1** →

**Ramp 2** →

- How much farther did Car B roll than Car A?  
\_\_\_\_\_
- Why might Car B have rolled farther? Hint: The cars and ramps may not be the same. Think about Betty's better racer.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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TG • Grade 1 • Unit 7 • Lesson 3      Homework Master

**Teacher Guide**

**Two Car Roll-off (TG)**

**Homework**

**Questions 1–4**

- 9 links
- 17 links
- 8 links
- Answers will vary. Possible response: Ramp 2 might be higher. Car B might have better wheels.

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**Teacher Guide**