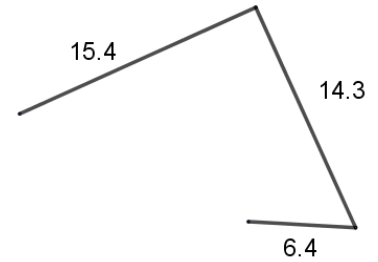
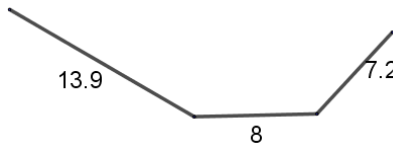
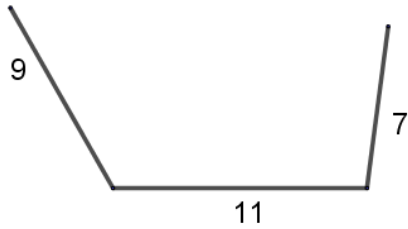
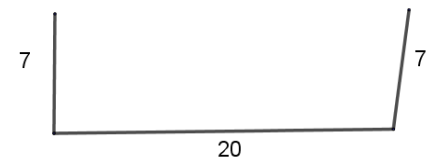
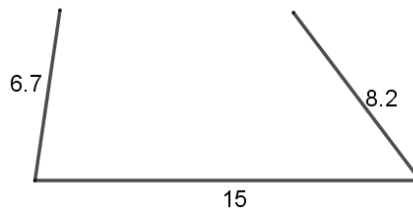
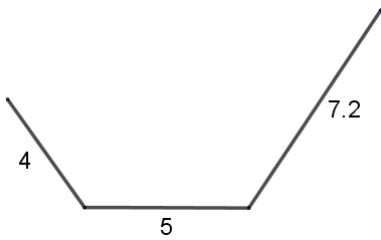
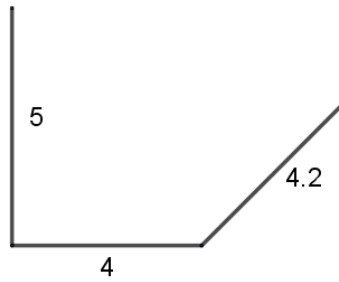
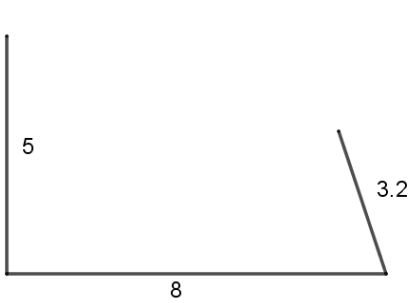


# Will the Sides Form a Triangle?

Name \_\_\_\_\_ Period \_\_\_\_

Decide what it takes for three segments to form a triangle. Use a compass to determine which ones have the "right stuff".



Sides that Form a Triangle	Sides that Do Not Form a Triangle

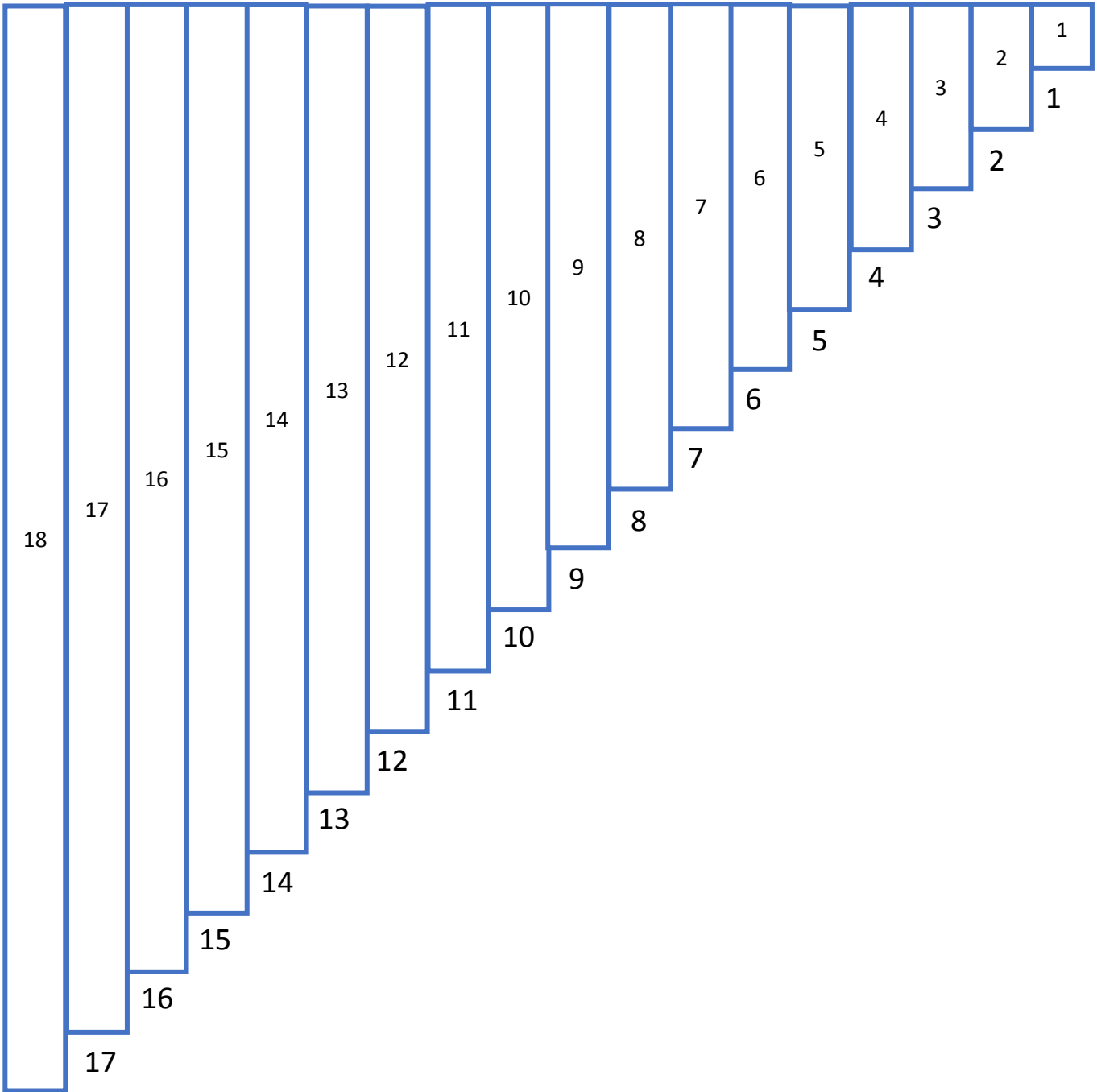
Summary of Your Findings \_\_\_\_\_  
 \_\_\_\_\_

# Can You Form a Triangle?

Name \_\_\_\_\_ Period \_\_\_\_

Match your straws to the diagram below to find their lengths. For each problem, select the appropriate straws and see if you can form a triangle using them. Note your findings below.

- |             |               |              |
|-------------|---------------|--------------|
| 1. 3, 4, 5  | 2. 10, 13, 18 | 3. 1, 2, 7   |
| 4. 5, 6, 11 | 5. 9, 10, 14  | 6. 7, 8, 16  |
| 7. 4, 5, 9  | 8. 8, 10, 17  | 9. 9, 12, 15 |



Summarize your findings. \_\_\_\_\_

\_\_\_\_\_

# Can You Form a Triangle?

Name \_\_\_\_\_ Period \_\_\_\_\_

Cut out the required sides and decide if you can form a triangle from them. Note your findings below.

10. 3, 4, 5

11. 10, 13, 18

12. 1, 2, 7

13. 5, 6, 11

14. 9, 10, 14

15. 7, 8, 16

16. 4, 5, 9

17. 8, 10, 17

18. 9, 12, 15

Summarize your findings. \_\_\_\_\_

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