![C:\Users\Dori Fairchild\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\M0XTADI0\MC900352857[1].wmf]() ![C:\Users\Dori Fairchild\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\M0XTADI0\MC900352857[1].wmf]()

**CIRCLES LAB SHEET**

 **Name**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use a string to measure the diameter and circumference of 8 circular objects. Remember to name each item you are measuring in the first column. Place the string carefully as you work. For each step, measure the length of the string in centimeters to the nearest tenth. After you record all 8 sets of measurements, use a calculator to complete the last 4 columns. Round each answer to the nearest tenth. Then answer the questions below the table.

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| --- | --- | --- | --- | --- | --- | --- |
| **Object** | **Circumference (*C*)** | **Diameter****(*d)*** | ***C + d*** | ***C − d*** | ***C × d*** | ***C ÷ d*** |
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1. Study the circumference and diameter columns. Describe any pattern(s) you see.
2. Look at the *C + d*, *C − d*, *C × d*, and *C ÷ d* columns. Describe any pattern(s) you notice.
3. Describe how these patterns may be able to help you solve problems involving circles.