Student Worksheet 2
TI-15 Explorer™: Pieces of Pi

Name:

Instructions:

1. First let's set up your TI-15 Explorer™ with formulas to calculate circle circumference.

To define an operation (formula) first press the Op1 (or Op2) key then type the steps of the operation and then press Op1 (or Op2) to set the operation

To set the formula $C = \pi D$

Press | Op1 | × | π | Op1 |

To set the formula $C = 2\pi r$

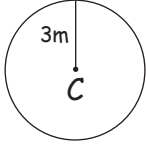Press | Op2 | × | 2 | × | π | Op2 |
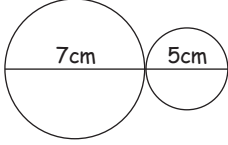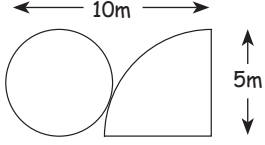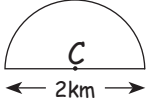
2. To calculate circumference of circles:
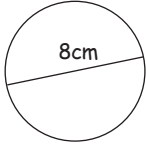
   • If you know the diameter, type its value into your TI-15 Explorer™ and then press Op1
   • If you know the radius, type its value into your TI-15 Explorer™ and then press Op2

3. Calculate the total perimeters of the following circles and shapes and record your results on this sheet:

1 8cm	
2 3m C	
3 7cm 5cm	
4 10m 5m	
5 C 2km	
6 C 4mm 4mm 8mm	