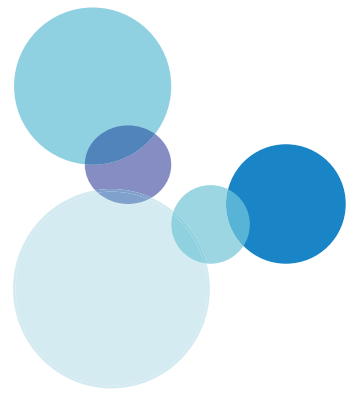


# Variables and constants

## Worksheet 2



- 1 A program contains the following code to calculate the circumference of a bicycle wheel, using the wheel size (diameter):

```
BEGIN CONSTANT Pi = 3.14
INPUT WheelSize
Circumference = Pi * WheelSize
OUTPUT Circumference
END
```

(a) The code uses one constant and two variables.

- (i) State the names of the constant and the variables. (2)

Constant: \_\_\_\_\_

Variables: \_\_\_\_\_

- (ii) Explain **one** difference between a constant and a variable. (2)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(b) The data type of WheelSize is integer and the data type of Circumference is real number. Explain the difference between an integer and a real number. (2)

\_\_\_\_\_

\_\_\_\_\_

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