Programming Concepts

Program A	Program B
| ```
01 Repeat ← True
02 WHILE Repeat = True
03      INPUT Num1
04      INPUT Num2
05      Total ← Num1 + Num2
06      OUTPUT Total
07      INPUT Choice
08      IF Choice = "N" THEN
09           Repeat ← False
10      ENDIF
11 ENDWHILE
``` | ```
INPUT Num
FOR Index ← 1 TO Num
     PRINT "Hello"
ENDFOR
``` |

1. Give the line numbers of a sequence in Program A (1)

2. Give the line number where repetition occurs in Program A (1)

3. Give the line number where repetition occurs in Program B (1)

4. Give the line number where selection occurs in Program A. (1)

5. Which program features a count-controlled loop? (1)

6. Which program features a condition-controlled loop? (1)

7. Describe the purpose of Program A. (3)

8. Describe the purpose of Program B. (2)

9. Identify the comparison operators. (6)

=	
>	
<	
≥	
≤	
<>	

10. Design an algorithm in pseudocode that will count down from 20 to 1. (4)