

## Pseudocode Pattern Puzzle 1: Solutions

```
n = ?
i = 0
while (n <= ??)
    begin
        print(n + " ")
        n = n + ???
        i = i + 1
    end
```

|                         |        |              |           |
|-------------------------|--------|--------------|-----------|
| 1) 2 4 6 8 10 ... 20    | ? = 2  | ?? = 2       | ??? = 20  |
| 2) 3 6 9 12 ... 33      | ? = 3  | ?? = 3       | ??? = 33  |
| 3) 1 3 5 7 9 ... 99     | ? = 1  | ?? = 2       | ??? = 99  |
| 4) 21 28 35 ... 63      | ? = 21 | ?? = 7       | ??? = 63  |
| 5) 5 6 7 8 9 ... 10     | ? = 5  | ?? = 1       | ??? = 10  |
| 6) 0 0 1 3 6 10 ... 21  | ? = 0  | ?? = i       | ??? = 21  |
| 7) 5 6 8 11 15 ... 26   | ? = 5  | ?? = (i + 1) | ??? = 26  |
| 8) 3 3 5 9 15 23 ... 33 | ? = 3  | ?? = (2 * i) | ??? = 33  |
| 9) 1 2 4 8 16 ... 64    | ? = 1  | ?? = n       | ??? = 64  |
| 10) 8 16 32 ... 128     | ? = 8  | ?? = n       | ??? = 128 |