Practice worksheet | Patterns and algorithms

Steps and decisions in algorithms

Name: _____ Date: _____

6 questions | 11 marks

1. Start at 5. Multiply by 3, then add 2. [2 marks]

2. Start at 5. Add 2, then multiply by 3. [2 marks]

3. Start at 4. Repeat add 3 exactly three times. [1 mark]

4. If the input is greater than 20, subtract 5; otherwise add 5. Find the outputs for 25 and 20. [2 marks]

5. Start at 6. Add 2 until the result is greater than 10, then stop. Write every number reached. [2 marks]

6. An instruction says: start at 1 and keep adding 1. What is needed to make it finish? [2 marks]