

Answers

2. a) Predictions may vary.
b) The output term numbers are: 0, 1, 2, 3, 4, 5
The output term values are: 0, 4, 8, 12, 16, 20
3. a) $5 * \text{termNumber} + 0$
b) $2 * \text{termNumber} + 0$
c) $6 * \text{termNumber} + 0$
4. a) Predictions may vary.
b) The output term numbers are: 0, 1, 2, 3, 4, 5
The output term values are: 2, 5, 8, 11, 14, 17
5. a) $5 * \text{termNumber} + 1$
b) $2 * \text{termNumber} + 3$
c) $4 * \text{termNumber} + 25$
7. a) $1 * \text{termNumber} + 2$; $\text{termNumber} > 3$
b) $5 * \text{termNumber} + 1$; $\text{termNumber} > 12$
c) $100 * \text{termNumber} + 25$; $\text{termNumber} > 8$
9. a) $5 * \text{termNumber} + 2$; use $\text{termNumber} > 100$ in the **repeat until** block; increase termNumber by 10 each time
b) $10 * \text{termNumber} + 5$; use $\text{termNumber} > 50$ in the **repeat until** block; increase termNumber by 5 each time