1.1

Practice Questions

Part 1

For each of the following questions:

Step.1. Provide at least three examples.

Step.2. Observe the pattern and make a conjecture.

- Q.1. Make a conjecture about the product of two even integers.
- Q.2. Make a conjecture about the product of an odd and an even integer.
- Q.3. Make a conjecture about the sum of two even integers.
- Q.4. Make a conjecture about the sum of two odd integers.

Q.5. Step. 1. Choose an integer (even or odd)

Step. 2. Multiply by 2

Step. 3. Add 1

Step. 4. Observe the pattern

Step. 5. Make a conjecture.

Q.6. Step. 1. Choose an integer (even or odd)

Step. 2. Multiply by 2

Step. 3. Add 2

Step. 4. Observe the pattern

Step. 5. Make a conjecture.

Part 2

For each of the following questions:

Step.1. Provide at least three examples.

Step.2. Observe the pattern and make a conjecture.

- Q.7. Make a conjecture about the sum of the measures of the angles in a quadrilateral.
- Q.8. Make a conjecture about the measures of the opposite angles in a parallelogram.
- Q.9. Make a conjecture about the shape that is created by joining the midpoints of adjacent sides in any quadrilateral.

Part 3

Work with a partner to solve the following questions.

- Q.10. Make a conjecture about what might have happened? (Seeeeeeeee Page # 4 5)
- Q.11. What evidences support your conjecture? (Yes, Seeeeeeeeee Page # 4 5)

