

WORKSHEET 1: : BUILD AND DESCRIBE

Name: _____ Date: _____

1. Draw the next shape in each pattern.
 - a) ☐
 - b) ☐☐
 - c) ☐☐☐
2. Circle the rule for 3, 5, 7, 9.
 - a) add 1
 - b) add 2
 - c) add 3
3. Fill in the blank:
2, 4, ____, 8
4. Fill in the blank:
5, 7, ____, 11
5. True or False:
1, 3, 5 adds 2 each time. ---- ☐ True ☐ False
6. True or False:
10, 9, 8 goes up each time. ---- ☐ True ☐ False
7. Match the pattern to the rule.

1, 3, 5	add 2
2, 4, 6	add 5
5, 10, 15	add 2
8. Circle the pattern that goes up by 3.
 - A) 2, 5, 8, 11
 - B) 1, 2, 3, 4
 - C) 6, 8, 10, 12
9. Circle the pattern that goes down by 2.
 - A) 12, 10, 8, 6
 - B) 3, 6, 9, 12
 - C) 5, 6, 7, 8
10. What rule does this pattern use?
11, 14, 17, 20
11. What rule does this pattern use?
50, 45, 40, 35
12. 9, 7, 5, 3 goes down by 2.
☐ True ☐ False

WORKSHEET 2: COMPLETE THE PATTERN

Name: _____ Date: _____

1. 1, 3, 5, 7 is an additive pattern.
☐ True ☐ False
2. 2, 4, 8, 16 adds the same amount each time.
☐ True ☐ False
3. 6, 9, 12, 15 adds 3 each time.
☐ True ☐ False
4. 10, 9, 8, 7 is a decreasing pattern.
☐ True ☐ False
5. 4, 6, 8, 10 adds 2 each time.
☐ True ☐ False
6. 20, 18, 16, 14 goes up each time.
☐ True ☐ False
7. 3, 6, 9, 12 adds 3 each time.
☐ True ☐ False
8. What comes next?
6, 8, 10, _____
9. What comes next?
14, 12, 10, _____
10. A train has 2 windows in each carriage. Complete the table.
Carriages: 1 | 2 | 3 | 4 | 5
Windows: | | | |
11. 1 car has 4 wheels. How many wheels on 3 cars?
12. A pattern uses 3 blocks, then 6, then 9. What is the rule?
13. A row of chairs has 1, 2, 3, 4 chairs. How many chairs in 5 rows if each row keeps adding 1?
14. Fill in the blank:
2 socks, 4 socks, _____ socks, 8 socks
15. Fill in the missing number:
14, 11, _____, 5
16. Fill in the missing number:
25, 23, _____, 19

Worksheet 3: TRUE OR FALSE?

Name: _____ Date: _____

Section A – Find the missing numbers

1. 2, 4, __, 8, 10, __

Rule: add ____ each time

Missing numbers: ____, ____

2. 7, 14, __, 28, 35, __

Rule: add ____ each time

Missing numbers: ____, ____

3. 100, 90, __, 70, __, 50

Rule: subtract ____ each time

Missing numbers: ____, ____

4. 25, 30, __, 40, __, 50

Rule: add ____ each time

Missing numbers: ____, ____

5. 60, 55, 50, __, 40, __

Rule: subtract ____ each time

Missing numbers: ____, ____

Section B – Describe the rule

Write the rule for each pattern (use “add” or “subtract”).

6. 4, 8, 12, 16, 20

Rule: _____

7. 80, 70, 60, 50, 40

Rule: _____

8. 11, 13, 15, 17, 19

Rule: _____

9. 45, 40, 35, 30, 25

Rule: _____

Challenge

16. Start at 3. Rule: add 4 each time. Write the first 6 numbers in the pattern.

____, ____, ____, ____, ____, ____