

Name: _____

Date: _____



Mathematics Homework
Number Patterns & Special Number Patterns

(A) Determine which choice best describes the rule the pattern is using. Choose the correct answer. (3)

1. 4, 6, 8, 10, 12

- (a) Add 2 (b) Add 3 (c) Add 5 (d) Divide 10

2. 3, 6, 12, 24

- (a) Multiply 4 (b) Multiply 2 (c) Add 7 (d) Divide 9

3. 65, 57, 49, 41, 33

- (a) Divide 4 (b) Subtract 10 (c) Subtract 8 (d) Add 8

(B) Determine which choice best describes the rule the pattern is using. Choose the correct answer. Then complete the pattern. (5)

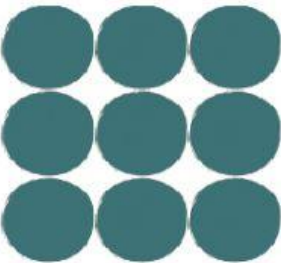
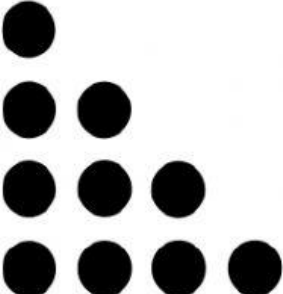
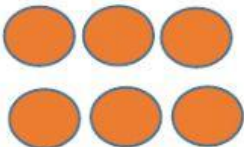
4. 46, 49, 52, 55, _____, _____

- (a) Add 3 (b) Add 5 (c) Subtract 5 (d) Multiply 2

5. 24, 12, 6 _____

- (a) Subtract 8 (b) Divide 2 (c) Add 8 (d) Multiply 2

6. Write the square, triangular and oblong number that is represented by the arrays. (3)

Square Number	Triangular Number	Oblong Number
		

7. If the pattern of triangular numbers goes like this: (1)

1

$1 + 2$

$1 + 2 + 3$

$1 + 2 + 3 + 4$

What is the next triangular number? _____