Name: _____ Date: _____

Pattern worksheet

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Look at the pattern. Find the next term(s) or the missing term.
Use the clues given. (Grade 4)

1. Complete the number patterns.

a) 2, 5, 8, 11, 14, ☐
b) 100, 90, 80, 70, 60, ☐
c) 3, 9, 15, 21, 27, ☐
d) 1, 4, 9, 16, 25, ☐
e) 200, 180, 160, 140, 120, ☐
f) 5, 10, 15, 20, 25, ☐
g) 81, 64, 49, 36, 25, ☐
h) 7, 14, 21, 28, 35, ☐
i) 500, 450, 400, 350, 300, ☐
j) 12, 24, 36, 48, 60, ☐

2. Find the missing term.

a) 4, 10, 16, _____, 28
b) 200, 170, 140, _____, 80
c) 9, 18, 27, _____, 45
d) 1, 8, 27, _____, 125
e) 100, 95, 90, _____, 80
f) 6, 12, 18, _____, 30
g) 144, 121, 100, _____, 64
h) 3, 6, 12, _____, 48
i) 400, 360, 320, _____, 240
j) 45, 40, 35, _____, 25

3. Continue the pattern. Draw the next 3 shapes.

a) ○ □ ○ □ ○ ☐ ☐ ☐
b) △ △ ○ △ △ ☐ ☐ ☐
c) ◇ □ ◇ □ ◇ ☐ ☐ ☐
d) ☆ ♡ ☆ ♡ ☆ ☐ ☐ ☐
e) □ ○ □ ○ □ ☐ ☐ ☐

4. Find the next 2 terms.

a) 1, 4, 9, 16, _____, _____
b) 2, 6, 18, 54, _____, _____
c) 50, 45, 40, 35, _____, _____
d) 3, 6, 12, 24, _____, _____
e) 100, 80, 60, 40, _____, _____
f) 5, 10, 15, 20, _____, _____
g) 81, 72, 63, 54, _____, _____
h) 7, 14, 28, 56, _____, _____
i) 256, 128, 64, 32, _____, _____
j) 9, 18, 27, 36, _____, _____

5. Complete the letter patterns.

a) A, C, E, G, I, _____, _____
b) Z, X, V, T, R, _____, _____
c) B, D, F, H, J, _____, _____
d) Q, O, M, K, I, _____, _____
e) L, N, P, R, T, _____, _____

6. Identify the rule and write the next term.

a) 47, 54, 61, 68, _____ (Rule: _____)
b) 300, 270, 240, 210, _____ (Rule: _____)
c) 11, 22, 33, 44, _____ (Rule: _____)
d) 81, 162, 243, 324, _____ (Rule: _____)
e) 5, 15, 25, 35, _____ (Rule: _____)

7. Look at the pattern. Fill in the missing numbers.

a) 1, 3, 6, 10, _____, _____ (Rule: _____)
b) 2, 5, 10, 17, _____, _____ (Rule: _____)
c) 100, 90, 85, 75, _____, _____ (Rule: _____)
d) 4, 9, 14, 19, _____, _____ (Rule: _____)
e) 1, 8, 27, 64, _____, _____ (Rule: _____)

8. Choose the correct pattern rule.

a) Which rule fits the pattern 6, 12, 18, 24, 30?
A. Add 3 B. Multiply by 2 C. Subtract 6 D. Add 6

b) Which rule fits the pattern 200, 160, 120, 80, 40?
A. Add 40 B. Subtract 40 C. Multiply by 2 D. Divide by 2

c) Which rule fits the pattern 3, 9, 27, 81?
A. Add 6 B. Multiply by 3 C. Subtract 6 D. Divide by 3

d) Which rule fits the pattern A, D, G, J, M?
A. Add 1 letter B. Subtract 1 letter
C. Skip 2 letters D. Reverse order

★ Look for the pattern... Find the next step! ★