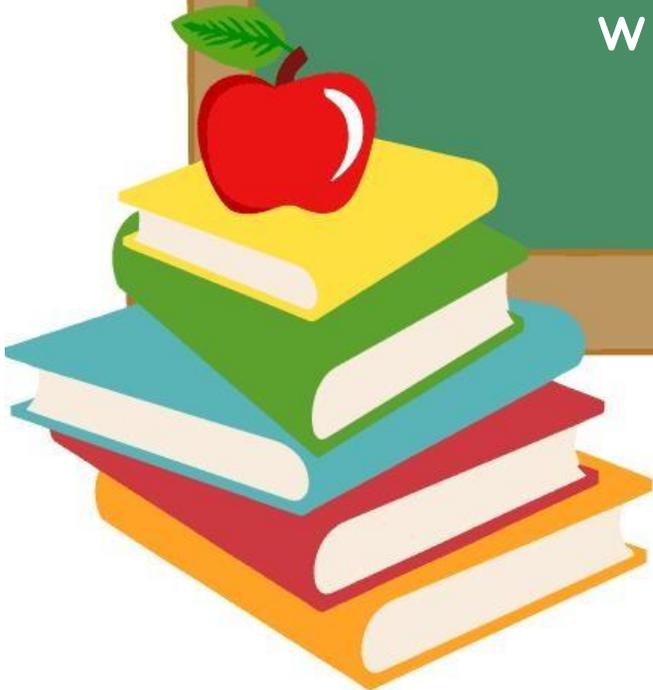


Patterning & Algebra Quiz
Term Number and Term Value
{Freebie} & Includes Answer Key!

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Algebra Quiz—Answer Sheet

Term Number (n)	1	2	3	4	5
Term Value	5	7	9	11	13

1. Use the above table to complete these questions:

a. Complete the table for term value 4 and 5. (/2)

b. Create an expression for the pattern. (/2)

$$2n + 3$$

c. What is the term value for term number 52? (/3)

$$\text{Let } n = 52,$$

$$2n + 3$$

$$= 2(52) + 3$$

$$= 104 + 3$$

$$= 107$$

2. Mark works at a bike store. He makes \$30 per day. For every bike that he sells, he will make \$20.

a. What is the unknown? Identify it and create a variable. (/2)

The unknown is the number of bikes he sells

Let n (or any other letter) represent the number of bikes sold

b. Write an expression for how much Mark can make in one day. (/2)

$$\text{daily total} = 30 + 20n$$

c. Last Saturday, Mark sold 5 bikes. How much money did he make that day? (/5)

$$\text{Let } n = 5,$$

$$\text{daily total} = 30 + 20n$$

$$= 30 + 20(5)$$

$$= 130$$

Therefore, Mark made \$130 last Saturday.