Coding and Decoding

A. Choose the correct answer:

1. If A = 1, B = 2, C = 3, then what is the code for D?

a) 2 b) 3

c) 4 d) 5

2. If CAT = 3 + 1 + 20, what is the total code value of CAT?

a) 24 b) 25

c) 26 d) 27

3. If Z = 26, then what is the code for M?

a) 12 b) 13

c) 14 d) 15

4. If APPLE = 1 + 16 + 16 + 12 + 5, what is the total code value?

a) 40 b) 50

c) 60 d) 45

5. In a code, if DOG = 4 + 15 + 7, what is the code total?

a) 25 b) 26

c) 27 d) 28

B. Write the Missing Terms to Complete the Sentences:

1. If A = 1, then Z = _____
2. In alphabetical order, E = _____
3. The word "MATH" = 13 + 1 + 20 + _____
4. If the code for FUN is 6 + 21 + 14 = _____
5. If B = 2, then the code for BB = _____

C. Mark each sentence with a True (✔) or False (✗):

1. A = 1, Z = 26 is the standard coding pattern _____
2. In the word "BOOK", K = 11 _____
3. The word "HELLO" adds up to 52 in letter codes _____

4. The letter M comes after N _____
5. B = 2 and D = 4 _____

D. Figure out the answers to these questions:

1. Find the code for the word "SUN" using A = 1 to Z = 26
2. Decode the total 33 as the sum of three letters
3. If A = 1 and each next letter increases by 1, what is the code for "BED"?
4. If CODE = 3 + 15 + 4 + 5, what is the total value?
5. Create a word whose letter codes add up to 30

E. Challenge yourself with these questions:

1. Code the word “BALL” using number values of letters
2. What is the total code for “TREE”?
3. Make a secret message using number codes for “HOME”
4. Decode this sum: 8 + 5 + 12 + 16 = ? (what word is this?)
5. Write any word with a total letter code sum of 40