

 ***U5-L1&2- The Relations Between Dependent and Independent Variables and Applications***

***Choose the correct answer.***

1. If L = 5m+1, then the independent variable is…………

a. L b. 5 c. m d. 1

2. The dependent variable in the algebraic equation: 3 m+1 = n is………..

a. 3 b. m c. n d. 1

3. The independent in b = a $÷$2 is……….

a. b b. 2 c. a d. 1

4. "8 more than s equals t" in equation is…..

a. 8s=t b. 8t=8 c. 8+s=t d. 8+t=s

5. "q is six times p added to 12" in equation is……..

a. q=6p-12 b. q=6p+12 c. p=6q+12

6. "4 times l added to 7 equals k" in equation is

a. 71+4=k b. 7k+4=1

c. 41+7=k d. 4k+7=L

7. "f equals the sum of adding 11 to the product of 8 and e" in equation is…..

a. e=8+11 f b. e=11+8 f

c. f = 8+11 e d. f=11+8 e

8. "y equals the product of x and 3" in the equation is

a. y=3x b. y=3x+2

c. y = 73 x d. 3 y=x

9. In the equation y = 2x +10 , the constant is……

a. 10 b. x c. 2 d. y

10. If Shady spend an amount of money [m] to buy some toys [j], then the independent variable is………

a. (m+j) b. j c. m d. j x m

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| Ride | ***No. of Tickets*** |
| Swing | 11 tickets |
| Viking | 8 tickets |

 11. By using the opposite table; the equation which represents the total number of tickets for ridding the swing where r is the number of rides and t is the total number of tickets is

 a. r=8t b. r=11 t

 c. t=8r d. t=11r

12. The word phrase for the equation

"g = 9 h" is…………

a. h equals g increased by 9.

b. h equals 9 times g.

c. g equals h increased by 9.

d. g equals 9 times h.