

5 Formulate an equation from a problem situation

1. Which means the same as “Fifteen minus some number is equal to eight”?

A $15 - 8 = n$
B $15 - n = 8$
C $8 - 15 = n$
D $8 - n = 15$

2. Ellen made a batch of brownies last week. She gave 3 brownies to her brother, then she had 12 left. She could use the following equation to determine the number of brownies she made.

$$x - 3 = 12$$

What is the value of x ?

A 3
B 9
C 12
D 15

3. A clothing store is discounting all shirts 20%. Which equation could be used to find the sale price of a shirt which originally cost d dollars?

A $0.20d$
B $d + 0.20d$
C $0.20d \times d$
D $d - 0.20d$

4. If $\clubsuit = \blacklozenge\blacklozenge$, and $\clubsuit\clubsuit = \heartsuit$, then $\heartsuit = \underline{\hspace{1cm}}$?

A $\blacklozenge\blacklozenge\blacklozenge\blacklozenge$
B $\clubsuit\clubsuit\clubsuit$
C \blacklozenge
D $\clubsuit\blacklozenge$