

For those who CANNOT access Digits and have talked to me about it, you can access the homework problems here.

You can either “Make a Copy” of this document and type your answers below the question OR do your homework on paper and turn it in to me by the due date.

1.

Last night, 5 friends went out to dinner at a restaurant. They split the bill evenly. Each friend paid \$11.50. If B represents the total bill in dollars, what equation could you use to find the value of B?

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Choose the correct answer below.

- ☐ A. $\frac{B}{5} = 11.50$
- ☐ B. $B + 5 = 11.50$
- ☐ C. $5B = 11.50$
- ☐ D. $B - 5 = 11.50$

2.

A garden contains 125 flowers, each of which is either red or orange. There are 75 orange flowers. If R represents the number of red flowers in the garden, what equation could you use to find the value of R?

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Choose the correct answer below.

- ☐ A. $R - 75 = 125$
- ☐ B. $R + 75 = 125$
- ☐ C. $\frac{R}{125} = 75$
- ☐ D. $75R = 125$

3.

A farmer ships apples in crates that weigh 4.3 lb each when empty. Each apple weighs 0.27 lb. The total weight of a crate filled with apples is 50.2 lb. Write a word equation you could use to find the number of apples packed in each crate.

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Choose the correct answer below.

- ☐ A. total weight = weight of crate - (weight of one apple) \times (number of apples)
- ☐ B. total weight = (weight of crate) \times (weight of one apple) \times (number of apples)
- ☐ C. total weight = (weight of crate) \times (weight of one apple) + number of apples
- ☐ D. total weight = weight of crate + (weight of one apple) \times (number of apples)
- ☐ E. total weight = weight of crate + weight of one apple + number of apples

4.

At a graduation dinner, an equal number of guests was seated at each of 5 large tables, and 4 late-arriving guests were seated at a smaller table. There were 44 guests in all. If n represents the number of people seated at each of the large tables, what equation could you use to find the value of n ?

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Choose the correct answer below.

- ☐ A. $5n + 4 = 44$
- ☐ B. $4n + 5 = 44$
- ☐ C. $5n - 4 = 44$
- ☐ D. $4n - 5 = 44$

5.

Write this equation in words.

$$7x - 19 = -1$$

Choose the correct answer below.

- ☐ A. Nineteen more than seven times a number is -1 .
- ☐ B. Nineteen less than seven times a number is -1 .
- ☐ C. Seven less than nineteen times a number is -1 .
- ☐ D. Seven more than nineteen times a number is -1 .