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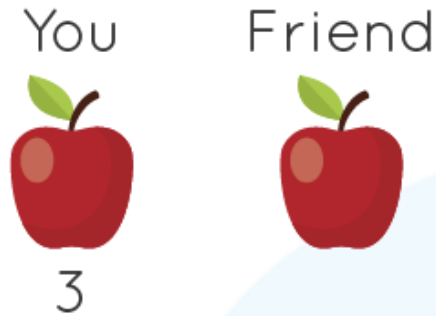
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Pre Algebra Worksheet-3

- 1) Your friend eats 5 apples less than 3 times the amount of apples you do. If you eat 3 apples, find out how much your friend eats?



- 2) Solve the following equation for #:
 $\# \times 8 = 32$
- 3) Jack got a few marbles and divided it equally among 3 friends of his and himself. While playing with them. He lost 5 of marbles and was left with only 2. Find out how many marbles Jack initially had before dividing.
- 4) Solve the riddle given below:

$$\text{🍰} + 4 \text{ 🍰} = 35$$

$$\text{🍕} + \text{🍰} = 10$$

$$\text{🍰} - 2 \text{ 🍕} = \underline{\quad ? \quad}$$

5) If Mikael's age is 25, and Ryan's age is 7 more than $\frac{1}{5}$ th of Mikael's age, find Ryan's age.

- a. 10 years
- b. 11 years
- c. 12 years
- d. 13 years

6) 5 friends are in a park for picnic. If three of them spend twice the number of hours as the other two, find the number of hours spent by the three friends individually. Together, all of them spend a total of 40 hours in the park.



7) "The missing value in the equation $23 - __ = 20$ is 3." The given statement is

- a. True
- b. False

8) Find the value of ?:

$$45 + ? - 8 = 47$$

9) In a neighborhood with 28 trees, 13 of them are maple trees. Find the number of non-maple trees in the neighborhood.



10) How many packs of orange juice can you buy with \$234, if one pack costs \$13?



Price-\$13

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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

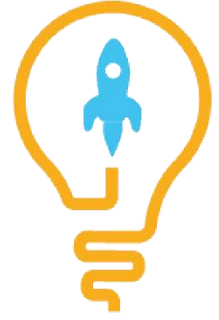
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	4 apples
2)	4
3)	28 marbles
4)	1
5)	c) 12 years
6)	10 hours
7)	True
8)	10
9)	15 non-maple trees
10)	18 packs

FUN FACT

1. In [algebra](#), we can express a missing value by using a random letter or symbol which is known as a variable.
2. In order to solve [equations](#) where some missing element is given, we try to solve it backwards – hence getting the value of the unknown.
3. When you start thinking logically rather than computing the [data](#), you are actually using ideas of algebra to find solutions.

