

2nd Junior
SPECIAL SUBJECT: MATHS
III TERM – TEST

What is Algebra?

- 1) Choose true or false.
- | | |
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| a. Algebra is like puzzles. | True / False |
| b. The variables are numbers. | True / False |
| c. We can find values in Algebra. | True / False |
| d. If we have the following problem: $2 + x = 5$. The answer is $x=3$. | True / False |

- 2) Write an equation for each situation and then, the answer. Follow the example.

Use Y as the variable.

Example:

Mike has 10 books. He gives y to his sister.

Now, he has 5 books.

$$10 - y = 5$$

$$y = 5$$

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|--|---|
| a. 114 birds were sitting in a tree. 21 more birds flew up to the tree. How many birds were there altogether in the tree? | <div style="background-color: #4a7ebb; height: 15px; width: 100%;"></div> <div style="background-color: #70ad47; height: 15px; width: 100%;"></div> |
| b. Beth has 74 crayons. She gives 25 of them away to Jen. How many crayons does Beth have left? | <div style="background-color: #4a7ebb; height: 15px; width: 100%;"></div> <div style="background-color: #70ad47; height: 15px; width: 100%;"></div> |
| c. The class is doing a math activity. There are 5 groups of 4 students. How many students are there in the class? | <div style="background-color: #4a7ebb; height: 15px; width: 100%;"></div> <div style="background-color: #70ad47; height: 15px; width: 100%;"></div> |
| d. She counted her crayons and found out that she has 80 crayons which she will place in crayon boxes. Every crayon box can contain 8 crayons. How many crayon boxes does she need? | <div style="background-color: #4a7ebb; height: 15px; width: 100%;"></div> <div style="background-color: #70ad47; height: 15px; width: 100%;"></div> |
| e. There are 6 houses on a small street. Each house has a family with 4 children, 2 cats and a dog. How many children are there living on this street? | <div style="background-color: #4a7ebb; height: 15px; width: 100%;"></div> <div style="background-color: #70ad47; height: 15px; width: 100%;"></div> |
| f. Their plastic Christmas tree comes in 3 parts. The bottom part has 8 branches. The middle part has 6 branches, and the top part has 4 branches. How many branches are there in total? | <div style="background-color: #4a7ebb; height: 15px; width: 100%;"></div> <div style="background-color: #70ad47; height: 15px; width: 100%;"></div> |