Name: ..... Class: .....

Write variable expressions: word problems

1. Mrs. John enjoys playing card games with her children. She likes to divide her children into groups of 2 for the game. Write an algebraic equation to represent all the children.

2. Paul works in a mining company. He earns a salary of $ 1000 every month. His manager earns t divided by twice Paul's salary. Write an expression that shows how much the manager earns.

3. Kevine had 21 apples until his father took u apples from it. His brother, Gildas has 11 less than the number kevine has after his father took u apples. Write an expression that shows the number of apples his brother, Gildas has?

Solution

mathskills4kids

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Write variable expressions: word problems

1. Mrs. John enjoys playing card games with her children. She likes to divide her children into groups of 2 for the game. Write an algebraic equation to represent all the children.

Let the symbol g represents the number of groups.
So, to find the equation that represents all the children,
let's multiply 2 by g
2 x g

2. Paul works in a mining company. He earns a salary of $ 1000 every month. His manager earns t divided by twice Paul's salary. Write an expression that shows how much the manager earns.

To solve this, we have to divide the variable t by twice paul's salary.
So, the expression is $ (t ÷ 2(1,000) = (t ÷ 2,000))

3. Kevine had 21 apples until his father took u apples from it. His brother, Gildas has 11 less than the number kevine has after his father took u apples. Write an expression that shows the number of apples his brother, Gildas has?

Let's write an expression for the number of apples
kevine has after u apples were taken away.
21 - u
Now, the number of apples Gildas has is 11 less than
the number of apples Kevine has left.
So, let's subtract 11 from 21 - u
Therefore, the expresssion is (21 - u) - 11