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

Write variable expressions word problems

1. Mary has 30 candies. she gives away **t** candies. Write an expression for the number of candies Mary has left.

2. Rita's new phone has **x** hours of battery life. Her old Phone has 3 hours battery life less than that of the new phone. Choose the expression that shows the battery life of Rita's old phone.

☐ 3 - x ☐ 3 + x ☐ x + 3 ☐ x - 3

3. Yesterday, Tracy bought 16 cupcakes. She divided it equally amongst her **x** girlfriends. Write an expression for the number of cakes each girlfriend got.

4. In Olivia's marble collection, there are **w** jars of marbles. Each jar has 51 red marbles. Write an expression for the total number of red marbles in **w** jars of marbles.

mathskills4kids

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

Write variable expressions word problems

1. Mary has 30 candies. she gives away **t** candies. Write an expression for the number of candies Mary has left.

total number of candies = 30
number of candies given away = t
to find the number of candies left, subtract t from 30
= 30 - t
there fore, mary has 30 - t candies left.

2. Rita's new phone has **x** hours of battery life. Her old Phone has 3 hours battery life less than that of the new phone. Choose the expression that shows the battery life of Rita's old phone.

☐ 3 - x   ☐ 3 + x   ☐ x + 3   ☑ x - 3

3. Yesterday, Tracy bought 16 cupcakes. She divided it equally amongst her **x** girlfriends. Write an expression for the number of cakes each girlfriend got.

total number of cupcakes = 16
number of girlfriends = x
to find the number of cupcakes each friend got, divide 16 by x
= 16/x
there fore, each girlfriend got 16/x cupcakes

4. In Olivia's marble collection, there are **w** jars of marbles. Each jar has 51 red marbles. Write an expression for the total number of red marbles in **w** jars of marbles.

total number of jars = w
number of red marbles in each jar = 51
to find the total number of red marbles i w jars, multiply 51 by w
= 51w
there fore, there are 51w red marbles in w jars of marbles