Using Letters as Numbers

Name: _____ Score: _____

Write expressions for each of the following sentences.

1) I am x years old. My friend is 1 year older than me. How old will my friend be in 12 years?

2) John has y stickers. His friend gives him another 20 stickers. How many stickers does he have altogether?

3) I bought y apples at $1 each and paid with a 100 dollar note. How much change did I get?

4) I have 150 candies and divide them equally among x friends. How many candies will each friend get?

5) Dad is x years old. I am 5 times younger than him. How old am I?

6) I can run x laps per hour. John can run 1 lap more per hour than I can. How many laps can we run together in 1 hour?

7) I have 2 boxes of y chocolates. If I get 2 more chocolates from my friend, how many chocolates do I have in total?

8) There are x blue cars, 20 red cars and 10 black cars parked in my street. How many cars are there parked altogether?

Answers

Write expressions for each of the following sentences.

1) I am x years old. My friend is 1 year older than me. How old will my friend be in 12 years?

x + 1 + 12 or x + 13

2) John has y stickers. His friend gives him another 20 stickers. How many stickers does he have altogether?

y + 20

3) I bought y apples at $1 each and paid with a 100 dollar note. How much change did I get?

100 - y

4) I have 150 candies and divide them equally among x friends. How many candies will each friend get?

150 ÷ x

5) Dad is x years old. I am 5 times younger than him. How old am I?

x ÷ 5

6) I can run x laps per hour. John can run 1 lap more per hour than I can. How many laps can we run together in 1 hour?

x + (x + 1) = 2x + 1

7) I have 2 boxes of y chocolates. If I get 2 more chocolates from my friend, how many chocolates do I have in total?

2y + 2

8) There are x blue cars, 20 red cars and 10 black cars parked in my street. How many cars are there parked altogether?

x + 30