Mixed operations word problems

Grade 4 Word Problems Worksheet

A vending machine is filled with different snacks and drinks. There are 5 rows of snacks in the machine. On each row, there are 12 different spots for snacks. In each spot, the vender can put in maximum of 16 items.

1. How many spots are there in total?

2. If the vender filled up 4 spots with bottled water, how many bottles of water are there in total?

3. Each bottle of water is 238 ml. If Josh buys 3 bottles of water, how much water (measured in ml) does he buy?

4. Sean buys 8 chocolate bars for $16. How much is each chocolate bar?

5. Emily puts in $20 into the machine and buy 2 bottles of water and 2 chocolate bars. She gets $8 of change back from the machine. How much is each bottle of water?

6. Write an equation using "x" and then solve the equation. The vender put 85 cans of drinks in the machine and at the end of the day, only x cans are left as 69 cans were sold.

Answers

1. 5 x 12 = 60
   There are 60 spots in total.

2. 4 x 16 = 64
   There are 64 bottles of water in total.

3. 238 x 3 = 714
   He buys 714 ml of water.

4. 16 ÷ 8 = 2
   Each chocolate bar is $2.

5. $20 – $8 = $12
   Emily spent $12.
   $12 – ($2 x 2) = $8
   Emily spent $8 for 2 bottles of water.
   $8 ÷ 2 = $4
   Each bottle of water is $4.

6. x + 69 = 85
   x = 16
   There are 16 cans left.