



Writing expressions with variables

Grade 5 Word Problems Worksheet

1. Jennie bought 3 red cotton scarves for $\$d$ each in the department store. She gave a \$50 bill to the cashier at the counter. Write the expression for the change she will receive at the counter.
2. The department store has w staff members and 2 branch managers. $\frac{3}{7}$ of staff members are part-time workers. Write the expression for the number of part-time workers.
3. The 5 department stores usually open 10 hours a day every weekend. During the Christmas season, it extends to m more hours for customers. Write the expression for the number of hours the department stores are open during the Christmas season.





4. To celebrate the 1st anniversary of the department store, the owner is giving discounts on selected items. Daniella wants a wristwatch for \$89 and a blanket for \$12. The discounted price of the wristwatch is \$ q . Write the expression for the amount of discount for the wristwatch.

5. The shopping mall building is g feet tall. This building has 5 storeys, and each storey is the same height. Write the expression for the height of each storey in the building.

6. Rona has worked as a sales staff member in a dress store for 6 months. She earns her basic salary of \$450 per month. In addition, she earns \$2 for each dress she sells. Last month, she sold p dresses. Write the expression for her total salary last month.



Answers

1. $50 - 3d$

2. $\frac{3w}{7}$

3. $10 + m$

4. $89 - q$

5. $\frac{g}{5}$

6. $450 + 2p$