Writing expressions with variables

Grade 5 Word Problems Worksheets

Write expressions for the following unknowns.

1. A piece of ribbon is y cm long. Ashley cut it into 4 equal pieces to do her 4 sisters' hair. Write the expression for the amount of ribbon used for each sister.

2. Margaret has 16 yards of fabric and she is making dresses for z dolls. Write the expression for the length of fabric used for each doll.

3. Olivia had 14 needles in her sewing kit, but she lost r needles. Write the expression for the number of needles in her sewing kit now.

4. After $\$x$ of discount, Emma paid $159 for her new sewing machine. Write the expression for the original price of the sewing machine.

5. In Charlotte's sewing kit, there are t bundles of thread. Each bundle has 34 feet of thread. Write the expression for the total length of the thread in her sewing kit.

6. A roll of ribbons is g inches long. There are 6 colors of ribbons. If Amelia used 2 inches from each roll, write the expression for the total length of ribbons left.

Answers

1. $\dfrac{y}{4}$

2. $\dfrac{16}{z}$

3. $14 - r$

4. $159 + x$

5. $34t$

6. $6(g - 2)$