

Write equations with variables

Grade 3 Word Problems Worksheet

1. Joseph has 2 toy cars. The red car is 42 cm long. The green car is 15 cm shorter than the red car. The green car is g cm long.

2. Henry made c cookies and 9 chocolate drinks. He ate 12 cookies and gave 15 cookies to his friends. There were 2 cookies left.

3. Jane wants to buy a big stuffed toy for 35 dollars. She has saved 26 dollars. She still needs to save d dollars to buy the big stuffed toy.



4. There were 15 sets of earphones and 8 cellphone cases displayed in the gadget store window. There were e earphones sold yesterday and 7 earphones left displayed in the window.

5. There are 26 vowels and consonants in the alphabet. 5 letters are vowels and c letters are consonants.

6. In a computer shop, there are c computers. There are 12 good working computers being used and 5 good working computers not being used. Another 2 of the computers are defective.

Answers

Note: There are several possible correct equations for each problem.

1. $g + 15 = 42$ or $42 - 15 = g$
 $g = 27$
2. $c - 12 - 15 = 2$ or $12 + 15 + 2 = c$
 $c - 27 = 2$
 $c = 29$
3. $26 + d = 35$ or $35 - 26 = d$
 $d = 9$
4. $15 - e = 7$ or $15 - 7 = e$
 $e = 8$
5. $c + 5 = 26$ or $26 - 5 = c$
 $c = 21$
6. $c = 12 + 5 + 2$
 $c = 19$