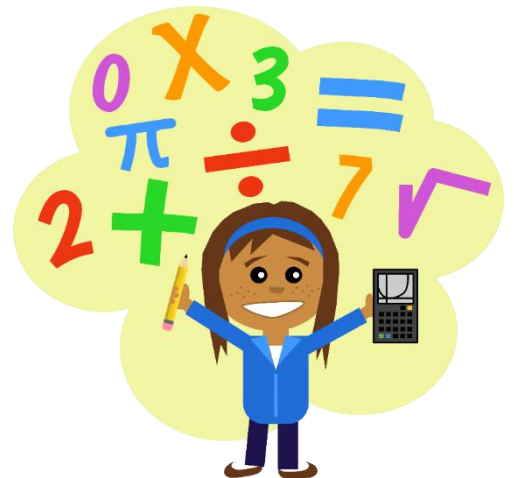# Write equations with variables

Grade 3 Word Problems Worksheet

1.   There are *s* students in grade 1 and 20 students in grade 2.
      There are 5 more students in grade 2 than grade 1.

2.   There were 6 vases at home but after Rachel broke *v* vases,
      there were only 2 vases left.

3.   In the zoo, there are 14 lions. 4 of them are male and *f* of them
      are female.

4. There are two crayons. The red one is 15 cm long and the yellow one is y cm shorter than the red one. The yellow one is 8 cm long.

5. In the flower bed, there are r roses. There are 3 pink roses, 6 white roses and 9 red roses.

6. Bryce had 25 toy cars. He gave 5 cars to his younger brother. Then, he lost c cars after he took them out one day. He only had 9 cars left.

Answers

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

1. $s + 5 = 20$
   $s = 15$

2. $6 - v = 2$
   $v = 4$

3. $4 + f = 14$
   $f = 10$

4. $15 - y = 8$
   $y = 7$

5. $r = 3 + 6 + 9$
   $r = 18$

6. $25 - 5 - c = 9$
   $c = 11$