

Write equations with variables

Grade 3 Word Problems Worksheet

1. Sean got *m* marks for his math test. Emma got 15 more marks than Sean. Emma's score is 94.

2. There are 6 books on the desk and b books on the shelf. There are 37 books in total.

3. The admission for a water park for adult is 9 dollars. The admission for a child is x dollars, which is 4 dollars cheaper than the adult admission.





4. Ken is 169 cm and Mike is *n* cm. Ken is 38 cm taller than his younger brother Mike.

5. Last week, the first graders borrowed *d* books and the second graders borrowed 15 books. The third graders borrowed 24 books. The three grades borrowed 54 books in total.

6. Abby had \$24. After she spent \$3 on snacks and \$x for lunch, she had \$12 left.



Answers

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

- 1. m + 15 = 94m = 79
- 2. 6 + b = 37b = 31
- 3. x = 9 4x = 5
- 4. 169 n = 38n = 131
- 5. d + 15 + 24 = 54d = 15
- 6. 24 3 x = 12x = 9