## 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 ncm . 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. $m+15=94$

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m=79
$$

2. $6+b=37$
$b=31$
3. $x=9-4$
$x=5$
4. $169-n=38$
$n=131$
5. $d+15+24=54$

$$
d=15
$$

6. $24-3-x=12$

$$
x=9
$$

