## Write equations with variables

Grade 3 Word Problems Worksheet

1. Alex has a total of 16 shirts. There are 9 shirts in the closet and $s$ shirts in the laundry basket.
2. There are 15 cars in the parking lot. After 3 cars left, there were c cars in the parking lots.
3. There are 5 basketball players playing at the court and $b$ players sitting on the bench. There are total of 8 players in the team.

4. There were 14 muffins in the kitchen. After the children ate $m$ muffins, there were 7 muffins left.
5. Tim has 3 older brothers and $t$ younger sisters. Tim's mother has 6 children.
6. Sara had q math questions to finish over the weekend. She finished 5 on Friday and 11 on Saturday. On Sunday, she had 8 questions left to do.

## Answers

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

1. $9+s=16$

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s=7
$$

2. $c=15-3$

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c=12
$$

3. $5+b=8$

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b=3
$$

4. $14-m=7$

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m=7
$$

5. $1+3+t=6$

$$
t=2
$$

6. $q-5-11=8$ $q=24$
