



## Write equations with variables

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### Grade 5 Math Word Problems Worksheet

1. The beach is  $x$  miles away from home. Josh drove to and from the beach with a total distance of 36 miles. Find  $x$ .
2. Emily bought some ice cream cones which cost \$24. She paid \$ $m$  and got back \$6 of change. Find  $m$ .
3. In the morning, there were  $t$  people at the beach. Later at noon,  $\frac{2}{7}$  of the people left the beach and there were 30 people left on the beach. Find  $t$ .





4. Joshua brought  $c$  beach toys to the beach. He shared them with 6 other friends. Each of them got 4 beach toys. Find  $c$ .
5. Mariah promised her children they would play on the beach for 90 minutes. After they played for  $y$  minutes, she reminded the children that they would be leaving in 15 minutes. Find  $y$ .
6. Norah bought 2 bottles of water, each with a capacity of 500ml. After Norah and her sister each drank  $z$  ml from the bottles, they have total of 340 ml of water left. Find  $z$ .



## Answers

1.  $2x = 36$   
 $x = 18$

2.  $m - 24 = 6$   
 $m = 30$

3.  $\frac{5t}{7} = 30$   
 $5t = 210$   
 $t = 42$

4.  $\frac{c}{7} = 4$   
 $c = 28$

5.  $15 + y = 90$   
 $y = 75$

6.  $2(500 - z) = 340$   
 $500 - z = 170$   
 $z = 330$