

## Challenge

### Brain Power

Solve. Show your work.

1. Robin invited 8 girls and 6 boys to her party. Her mom said she could invite 18 friends in all. How many more friends could Robin invite?
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2. At the first stop, 5 people got on the subway car. At the second stop, 3 people got off. At the third stop, 7 people got on. How many people were on the subway car then?
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3. Vince went to the arcade 3 times. Each time he went he won 5 tickets for prizes. He found 3 more tickets on the floor. How many tickets did Vince have in all?
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4. Cara uses 1 gallon of water every time she brushes her teeth. She brushes her teeth two times per day. How much water does she use in one week?
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# Challenge

## Brain Power

Solve. Show your work.

**Solution methods may vary.**

1. Robin invited 8 girls and 6 boys to her party. Her mom said she could invite 18 friends in all. How many more friends could Robin invite?

$$8 + 6 = 14$$

$$14 \begin{array}{cccc} \circ & \circ & \circ & \circ \\ 15 & 16 & 17 & 18 \end{array}$$

**4 friends**

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2. At the first stop, 5 people got on the subway car. At the second stop, 3 people got off. At the third stop, 7 people got on. How many people were on the subway car then?



**9 people**

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3. Vince went to the arcade 3 times. Each time he went he won 5 tickets for prizes. He found 3 more tickets on the floor. How many tickets did Vince have in all?

$$5 + 5 + 5 = 15$$

$$15 + 3 = 18$$

**18 tickets**

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4. Cara uses 1 gallon of water every time she brushes her teeth. She brushes her teeth two times per day. How much water does she use in one week?

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**14 gallons**

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