Jordan Saves Money

Jordan wants to give $15 to help kids who need school supplies. He also wants to buy a pair of shoes for $39. Explain your thinking in two ways by using words, pictures, number sentences, and/or models.

1. How much money will he have to save for both?

Jordan will have to save $\boxed{54}$ for both, because

If he just has $15 that won't be enough, so he needs to save $\boxed{54}$ because $15 + 39 = 54$. 
2. Jordan gets $5 a week for his allowance. He plans to save his allowance every week. Jordan thinks it will take 10 weeks to reach his goal. His brother says it will take 11 weeks. Who is correct and why?

His brother is correct, because if you add ten that will only be 50 so 11 is greater than 10. You use 11 because it will be 55 so that is why the brother is correct.
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Jordan wants to give $15 to help kids who need school supplies. He also wants to buy a pair of shoes for $39. Explain your thinking in two ways by using words, pictures, number sentences, and/or models.

1. How much money will he have to save for both?

Jordan will have to save $\underline{54}$ for both, because the school supplies is $\underline{15}$ and the shoes are $\underline{39}$ and $\underline{39} + \underline{15} = \underline{54}$ and that's what I did to solve this problem. I used the first number of the numberline I was to start the numberline.
2. Jordan gets $5 a week for his allowance. He plans to save his allowance every week. Jordan thinks it will take 10 weeks to reach his goal. His brother says it will take 11 weeks. Who is correct and why?

[Diagram with numbers]

Jordan's brother is correct, because I counted the squares and counted up to 11 because I was counting by fives like this: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55.

I put numbers on top of the other number. 5+11 is the correct answer.
3. Jordan remembers his sister’s birthday is next month. He sets a goal of saving $16 for her gift. How much will Jordan have to save to be able to buy the school supplies, new shoes, and birthday present? Jordan uses a part-part-whole model.

\[
\begin{array}{c|c|c|c}
 & 39 & 15 & 16 \\
\hline
\end{array}
\]

\[
\begin{array}{c}
\text{Do} = 39 + 15 + 16 \\
\text{\large 16} \rightarrow 54
\end{array}
\]

Jordan will have to save **$70** to buy all three things. Explain Jordan’s thinking.

Jordan used the hundred chart and started with 39 and counted up fifteen and counted to 16 and landed on the number 70.
4. How many weeks does Jordan have to save his allowance to be able buy all three things?

Jordan will now have to save his allowance for 14 weeks to reach his goal, because

Jordan counted by 5s and he started with 5 and counted on like this:

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, and I numbered the top of the other numbers and stopped at fourteen.
3. Jordan remembers his sister's birthday is next month. He sets a goal of saving $16 for her gift. How much will Jordan have to save to be able to buy the school supplies, new shoes, and birthday present? Jordan uses a part-part-whole model.

Jordan will have to save $70 to buy all three things. Explain:

Jordan's thinking.

I added 3 tens and 9 ones that makes 39, 1 ten and 5 ones is 15. 1 ten and 6 ones make 16.

And I counted the tens it was 5 and 7 ones and I knew that it was $70.
4. How many weeks does Jordan have to save his allowance to be able buy all three things?

5 10 15
20 25 30
35 40 45
50 55 60
65 70 14 weeks

Jordan will now have to save his allowance for 14 weeks to reach his goal, because

I started by 5 to 10) 15 20
25 30 35 40 45 50 55
60 65 and 70 and I counted the circles and it was 14 so it was 14 weeks.
Jordan Saves Money

Jordan wants to give $15 to help kids who need school supplies. He also wants to buy a pair of shoes for $39. Explain your thinking in two ways by using words, pictures, number sentences, and/or models.

1. How much money will he have to save for both?

Jordan will have to save $54 for both, because $39 + $15 = $54 and you can figure that out by using the number line and model. Drawing. I know this because I did the math.
2. Jordan gets $5 a week for his allowance. He plans to save his allowance every week. Jordan thinks it will take 10 weeks to reach his goal. His brother says it will take 11 weeks. Who is correct and why?

his brother is correct, because if you skip count by fives 11 times, than you get $55 and if you skip count by fives 10 times than you get $50 if you start at five and there was one left.
3. Jordan remembers his sister’s birthday is next month. He sets a goal of saving $16 for her gift. How much will Jordan have to save to be able to buy the school supplies, new shoes, and birthday present? Jordan uses a part-part-whole model.

\[
\begin{array}{c|c|c}
& 39 & 15 \\
\hline
\end{array}
\]

Jordan will have to save $\boxed{70}$ to buy all three things. Explain.

Jordan’s thinking.

Jordan is thinking about using Model Drawing.
4. How many weeks does Jordan have to save his allowance to be able buy all three things?

Jordan will now have to save his allowance for 14 weeks to reach his goal, because if he counts by fives fourteen times then he would get 70.
Jordan Saves Money

Jordan wants to give $15 to help kids who need school supplies. He also wants to buy a pair of shoes for $39. Explain your thinking in two ways by using words, pictures, number sentences, and/or models.

1. How much money will he have to save for both?

\[
\begin{align*}
50 + 4 &= 54 \\
40 + 14 &= 54
\end{align*}
\]

\[
\begin{align*}
39 + 15 &= 54 \\
9 + 38 &= 54
\end{align*}
\]

Jordan will have to save $54 for both, because he wants to buy school supplies for other people and a pair of shoes for himself. That will add up to $54.
2. Jordan gets $5 a week for his allowance. He plans to save his allowance every week. Jordan thinks it will take 10 weeks to reach his goal. His brother says it will take 11 weeks. Who is correct and why?

His brother is correct, because I skipped counting fives and it was 11 times, I started with five and then I added more fives in tally, I got to 54 but there was one extra.
3. Jordan remembers his sister's birthday is next month. He sets a goal of saving $16 for her gift. How much will Jordan have to save to be able to buy the school supplies, new shoes, and birthday present? Jordan uses a part-part-whole model.

\[ \text{?} = 39 + 15 + 16 \]

\[ 70 = 39 + 15 + 16 \]

\[ 54 + 16 = 70 \]

\[ 60 + 0 = 70 \]

Jordan will have to save $70 to buy all three things. Explain.

**Jordan's thinking.**

Jordan knows that \(39 + 15 = 54\) so Jordan said that he could add 16 to 54 than he will have the answer. First, Jordan knows that \(39 + 15 = 54\) so you add 16 to 54 by adding the tens then the ones. Then you get the answer 70.
4. How many weeks does Jordan have to save his allowance to be able buy all three things?

Jordan will now have to save his allowance for 14 weeks to reach his goal, because he needs the money to have enough to save for to get the school supplies and the shoes, and B-day present. You have to start with 11 weeks and keep counting by fives in tell you get to 70.
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Jordan wants to give $15 to help kids who need school supplies. He also wants to buy a pair of shoes for $39. Explain your thinking in two ways by using words, pictures, number sentences, and/or models.

1. How much money will he have to save for both?

\[
\begin{align*}
15 + 39 &= 54 \\
10 + 30 &= 40 \\
5 + 9 &= 14 \\
40 + 14 &= 54
\end{align*}
\]

Jordan will have to save $54 for both, because I use tens to find the answer and decomposed and my answer added up to it all together, 54.
2. Jordan gets $5 a week for his allowance. He plans to save his allowance every week. Jordan thinks it will take 10 weeks to reach his goal. His brother says it will take 11 weeks. Who is correct and why?

Jordan's brother is correct, because $50 is not enough, but $55 is and $55 take 11 weeks, so Jordan's brother is correct about his estimate.
3. Jordan remembers his sister’s birthday is next month. He sets a goal of saving $16 for her gift. How much will Jordan have to save to be able to buy the school supplies, new shoes, and birthday present? Jordan uses a part-part-whole model.

<table>
<thead>
<tr>
<th>?</th>
</tr>
</thead>
<tbody>
<tr>
<td>39</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>16</td>
</tr>
</tbody>
</table>

(no longer 15)

\[
40 = 39 + x + 16
\]

\[
40 + 30 = 70
\]

Jordan will have to save $\_70\_ to buy all three things. Explain Jordan’s thinking.

Jordan is thinking that he could decompose the 15 in equal parts to make tens and then add them together so it would be easier because there are no one to add.
4. How many weeks does Jordan have to save his allowance to be able buy all three things?

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Jordan will now have to save his allowance for ___14___ weeks to reach his goal, because

I KNOW that he had $5 a week for allowance so I skip-counted by fives on both way I used.