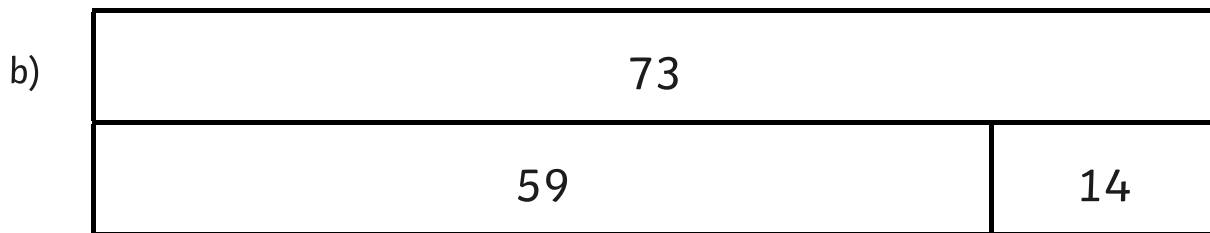
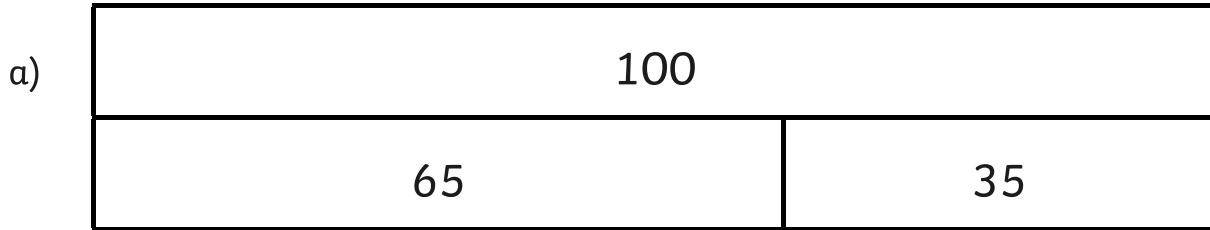


Using Bar Models in Addition and Subtraction

1. Can you write an addition and a subtraction calculation for each bar using the given numbers?

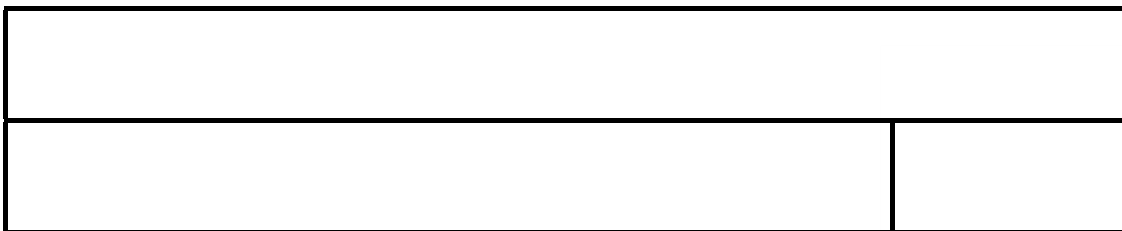


2. Can you complete the addition or subtraction calculation for each bar using the given numbers?

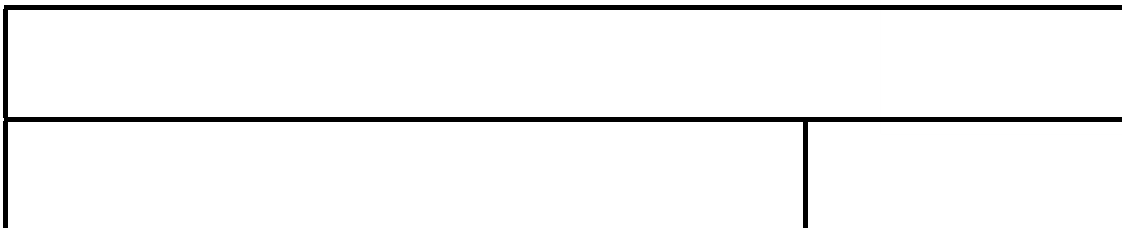
a) $48 + 33 = \underline{\hspace{2cm}}$



b) $97 - 28 = \underline{\hspace{2cm}}$



c) $88 - \underline{\hspace{2cm}} = 21$



3. Now, complete the bar model below to help you to solve the problems.

- a) Sally has 57 football cards in her collection folder. The whole folder holds 100 football cards in total. How many more football cards does Sally need to complete her collection?

- b) The fish and chip shop had 38 haddocks in their freezer. The shopkeeper ordered another 55 haddocks from the wholesaler. How many haddocks do they now have in total?

Challenge

Now it's your turn... can you draw your own bar to solve this problem? Lenny had saved up £75. He spent £37 on a new football shirt. How much money did he have left?

Using Bar Models in Addition and Subtraction - Answers

question	answer	question	answer								
1.		3.									
a	Two calculations from: $65 + 35 = 100$ $35 + 65 = 100$ $100 - 65 = 35$ $100 - 35 = 65$	a	100 cards to fill folder <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">100</td> </tr> <tr> <td style="text-align: center;">57</td> <td style="text-align: center;">43</td> </tr> </table> <p style="text-align: center;">Sally's cards cards needed</p>	100		57	43				
100											
57	43										
b	Two calculations from: $59 + 14 = 73$ $14 + 59 = 73$ $73 - 59 = 14$ $73 - 14 = 59$	b	93 total number of haddocks <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">93</td> </tr> <tr> <td style="text-align: center;">38</td> <td style="text-align: center;">55</td> </tr> </table> <p style="text-align: center;">haddocks in freezer haddocks</p>	93		38	55				
93											
38	55										
2.		Challenge									
a	$48 + 33 = 81$ <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">81</td> </tr> <tr> <td style="text-align: center;">48</td> <td style="text-align: center;">33</td> </tr> </table>	81		48	33	<p style="text-align: center;">£75 Lenny's savings</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">£75</td> </tr> <tr> <td style="text-align: center;">£37</td> <td style="text-align: center;">£38</td> </tr> </table>		£75		£37	£38
81											
48	33										
£75											
£37	£38										
b	$97 - 28 = 69$ <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">97</td> </tr> <tr> <td style="text-align: center;">69</td> <td style="text-align: center;">28</td> </tr> </table>	97		69	28						
97											
69	28										
c	$88 - 67 = 21$ <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">88</td> </tr> <tr> <td style="text-align: center;">67</td> <td style="text-align: center;">21</td> </tr> </table>	88		67	21						
88											
67	21										