Complete the bar models to solve the word problems. Underneath each bar model, write out the calculation using addition or subtraction. Check your answers using the inverse.

 On Sunday, I went to team training for 144 minutes and penalty practice for 45 minutes. On Thursday, I went to football training for 111 minutes. What is the difference between the time I spent training on Sunday and on Thursday?

Sunday = minutes	
team training	penalty practice
144 minutes	45 minutes

Calculation: \_\_\_\_\_

Check with the inverse: \_\_\_\_\_

Sunday = minutes			
Thursday = 111 minutes	Difference = minutes		

Calculation: \_\_\_\_\_

The difference between the time I spent training on Sunday and Thursday is \_\_\_\_\_ minutes.

Check with inverse: \_\_\_\_\_

2) A football costs £2. I bought four footballs and I paid with a £10 note. How much change did I receive?

£10				
£2	£2	£2	£2	change =

Calculations: \_\_\_\_\_

I received \_\_\_\_\_ in change.





Check with the inverses: \_\_\_\_\_

3) The football club bought 50 yellow balls and 125 orange balls. They lost 13 balls over the fence. How many balls do they have left?

total balls =					
50 yellow bal	50 yellow balls 125 orange balls				
Calculation:					
Check with the inv	Check with the inverse:				
total balls =					
13 balls lost	balls left =				
Calculation:					

The football club have \_\_\_\_\_ balls left.

4) There are 137 matches to play this season. The football team have lost 36 matches and won 80. How many matches do they still have left to play?

137 matches			
36 lost	80 won	left to play	

Calculations:

The team still have \_\_\_\_\_ matches left to play.

Check with the inverses: \_\_\_\_\_







Check with the inverse: \_\_\_\_\_

Question	Answer						
1.							
	Sunday = 1	189 minutes			Sunday = <b>1</b>	<b>89</b> minutes	
	team training 144 minutes	penalty p 45 min	ractice utes	Th 111	ursday =   minutes	difference = <b>78</b> minutes	
	Calculations: 144	+ 45 = 189			189 - 1	11 = 78	
	The difference bet <b>78</b> minutes.	The difference between the time I spent training on Sunday and Thursday is <b>78</b> minutes.					
	Check with the in	Check with the inverses: <b>189 - 144 = 45 78 + 111 = 189</b>					
		189	- 45 = 14	44	111 + 78 = 18	39	
2.							
			£	10			
	£2	£2	£2		£2	change = <b>£2</b>	
	Calculations: £2 + £2 + £2 = £8						
	$\pounds 10 - \pounds 8 = \pounds 2$						
	I received <b>£2</b> in change. Check with the inverses: <b>£8 – £2 – £2 – £2 = £2</b>						
	£2 + £8 = £10 or £8 + £2 = £10						





3.				
	total balls = <b>175</b>			
	50 yellow balls 125 orange balls			
		Total balls = <b>175</b>		
	13 balls lost	Balls left = <b>162</b>		
	Calculations: <b>50 + 12</b>	5 = 175 175 - 13 = 162		
	There are <b>162</b> balls left in total. Check with the inverses: <b>175 - 50 = 125 162 + 13 = 175</b>			
		175 - 125 = 50 13 + 162 = 175		
4.				
		137 matches		
	36 lost	80 won	<b>21</b> left to play	
	Calculations: <b>36 + 80 = 116 137 - 116 = 21</b>			
	They still have <b>21</b> games left to play. Check with the inverses: <b>116 - 80 = 36 116 + 21 = 137</b>			
		116 - 36 = 80 21 + 116 = 137		



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Complete the bar models to solve the word problems. Underneath each bar model, write out the calculation using addition or subtraction. Check your answers using the inverse.

1) Mum drives the football team minibus to the matches. Last month, she drove 86 miles to one match and 167 miles to the other. This month, she drove 182 miles altogether. What is the difference between the miles she drove this month and last month?

last month = miles

Calculations: \_\_\_\_\_

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The difference between last month's and this month's miles is \_\_\_\_\_\_ miles.

Check with the inverses: \_\_\_\_\_

2) Football kits for the team cost £23 each. The team raised £50 at a charity match. How much more money do they need to raise to afford 3 new kits?



They need to raise \_\_\_\_\_ more to afford 3 new kits.

Check with the inverses: \_\_\_\_\_





3) The team trained for 250 minutes on Saturday and 260 minutes on Sunday. How many more minutes do they need to do to hit their target of 1000 minutes' training?

	1	
Calculation:		

Answer: \_\_\_\_\_

Check with the inverses:	

4) There are 376 matches to play over three seasons. The football team have drawn 98 matches, lost 30 and won 86. How many games do they still have left to play?

Calculation:		
Answer		

Check v	vith <sup>.</sup>	the	inverses:
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Question	Answer							
1.								
	last month = <b>253</b> miles							
	86 miles to one mat	86 miles to one match 167 miles to another match						
		253 miles lo	ast month					
	182 n	niles this month		71 miles difference				
	Answer: <b>The difference k</b> Check with the inverse	<b>between last mor</b> s: <b>253 – 167 = 8</b>	nth's and this ma 6 71 +	onth's miles is 71 miles. 182 = 253				
		253 - 86 = 16	7 182	+ 71 = 253				
2.								
		£69 cost						
	£23 kit	£23	kit	£23 kit				
		£69 c	cost					
	4	E50 raised		£19 more to raise				
	Calculations: £23 + £23 + £23 = £69 £69 - £50 = £19 Answer: They need to raise £19 more to afford the new kits.							
				£50 + £19 = £69				
3.	I							
		1000 minute to	arget					
	250 Saturday	260 Sunday	490 le	ft to complete				
	Answer: <b>They need to</b> Check with the inverse	<b>complete 490 m</b> s: 510 - 250 = 2	ore minutes of 60	<b>training.</b> + 490 = 1000				
		510 - 260 = 2	.50 490	+ 510 = 1000				





		376 matches	
98 drawn	30 lost	86 won	162 left to pla
Calculations: <b>250</b>	+ 260 = 5	10 1000 - 510 =	400
	. 200 .		470
swer: They hav	ve <b>162</b> gam	es still left to play	<b>470</b> J.
nswer: They hav neck with the in	ve <b>162</b> gam averses: <b>21</b> 4	ues still left to play + - 98 - 30 = 86	470 J. 162 + 214 = 376
nswer: They hav heck with the in	ve 162 gam averses: 214 214	ues still left to play 4 - 98 - 30 = 86 4 - 30 - 86 = 98	162 + 214 = 376 214 + 162 = 376





Complete the bar models to solve the word problems. Underneath each bar model, write out the calculation using addition or subtraction. Check your answers using the inverse.

 The A team spend 1239 minutes training in April and 4312 minutes in May. The B team spend 7894 minutes training altogether in April and May. What is the difference in training time between the A team and the B team?

Calculations: \_\_\_\_\_

The difference	in training	time k	petween	the A	team	and th	ie B	team
is	_ minutes.							

Check with the inverses: \_\_\_\_\_



2) There are 989 footballs in one container and 1459 footballs in another. 1876 balls are used for practice during the season. How many balls are not used?



Calculations: \_\_\_\_\_

Answer: \_\_\_\_\_

Check with the inverses: \_\_\_\_\_



\_\_\_\_\_



3) A football coach charges £26 for an hour's session. It also costs £17 an hour to hire the pitch. How much will it cost the football club to have 3 hours of training?

Calculations:		
Answer:		

Check with the inverses:	

4) The football team have a budget of £4653 to spend this year. They have spent £3827 so far. They hold a charity event and raise £560. How much money do they have left to spend this year?

•			<u>,</u>	
Cal	culations:			
Ans	wer:			

Check with the inverses: \_\_\_\_\_



Question	4	Answer							
1.									
		5551 A Team 1239 April 4312 May							
		7894 B Team							
			5551 A Team		2343 difference				
	С Т 2 С	Calculations: <b>1239 + 4312 = 5551 7894 - 5551 = 2343</b> The difference in training time between the A team and the B team is <b>2343</b> minutes. Check with the inverses: <b>5551 - 1239 = 4312 5551 + 2343 = 7894</b>							
		5551 - 4312 = 1239 2343 + 5551 = 7894							
2.	1								
		2448 footballs							
		989 one container	r						
		2448 footballs							
		1876 used			572 not used				
		alculations: <b>989 + 1459 = 2448</b> nswer: <b>572 balls are not used.</b>		2448 - 1876 = 572					
		Check with the inv	erses: 2448 - 989 = 1459 2448 - 1459 = 989	572 + 1 1	572 + 1876 = 2448 1876 + 572 = 2448				





3.							
	£78 three hours coach						
	£26 one hour coach	£26 one hour coach £2		86 one hour coach			
	£51 three hours pitch						
	£17 one hour pitch	£17 one hour pitch £		17 one hour pitch			
	£129 training						
	£78 coach			£51 pitch			
	Calculations: £26 + £26 + £26 = £78 £78 + £51 = £129						
	$\pounds17 + \pounds17 + \pounds17 = \pounds51$						
Answer: 3 hours of training will cost <b>£129</b> .							
	Check with the inverses: $£78 - £26 - £26 = £26 = £26 = £129 - £51 = £78$						
		£129 - £78 = £51					
4.							
	£4653 budget						
	£38		£826 left in budget				
	C1287 hadrat						
	£826 left in budget			£560 raised			
	Calculations: <b>£4653 – £3827 = £826   £826 + £560 = £1386</b> Answer: They have <b>£1386</b> left to spend this year						
	Check with the inverses:	£1386-£826=£560					
	£3827 + £826 = £4653			£1386-£560=£826			





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