

Using bar models for word problems: addition and subtraction



▶ PRACTICE WITH ME

7312 people went to a football match in Brighton. and 6429 went to a match in Crawley.

- How many more went to Brighton?
- How many people went to both matches altogether?

a)

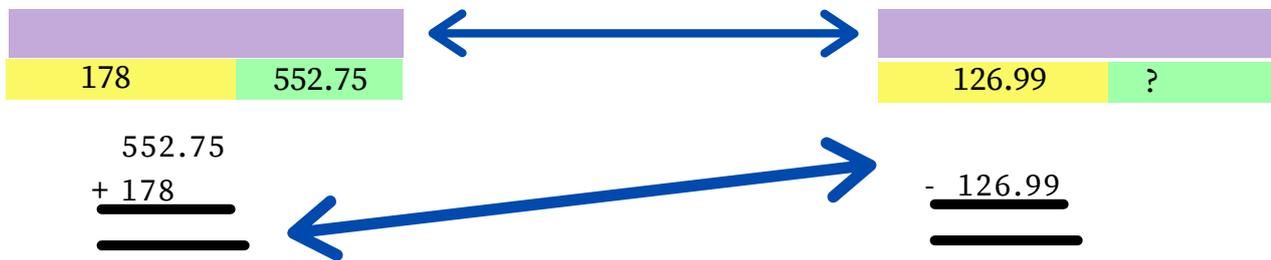
7312	7312
6429	- 6429

b)

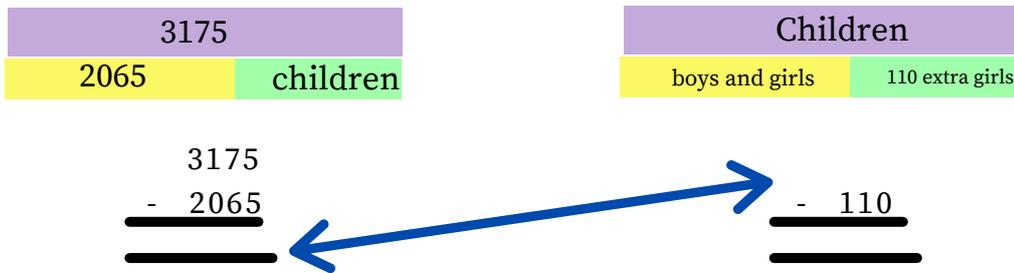
7312	6429	7312
		+ 6429

Louise and her twin brother Liam have saved the same amount of birthday money. Louise buys a new tablet for £178 and now has £552.75. Liam only spent £126.99 on his tablet.

- How much did they both start with?
- How much does Liam have left now?



There were 3175 people at an exhibition. There were 2065 adults and the rest were children. There were 110 more girls than boys. How many boys were there?



Amina buys bread, strawberries and cheese. At the till, she picks up some batteries which were 99p more than the cheese. She pays with a £20 note. How much change should she receive?



£1.35



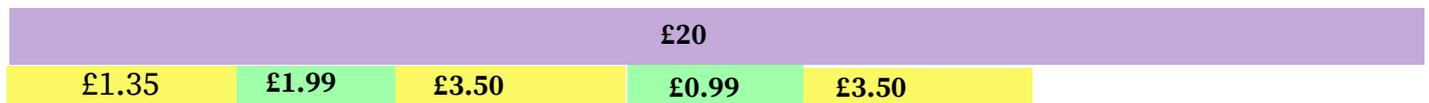
£1.99



£3.50



£?



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HAVE A GO!

Draw your own bars to show how you would solve the problem and write the calculation out too.

-  4817 people went to a fireworks display in Haywards Heath and 3496 went to one in Worthing.
- How many more went to Haywards Heath?
 - How many people went to both displays altogether?

-  Surinder and Tufeer raise some money for charity. Surinder raises £1289 and Tufeer raises £175 more.
- How much did Tufeer raise?
 - How much did they raise altogether?

-  Daniel is writing a story. On day 1 he writes 780 words. On day 2 he writes 99 words less than day 1. The next day he writes 1025 words.
- How much more does he write on day 3 than day 2?
 - How many words has he written altogether?

-  There were 2085 people at the airport. 1295 were about to leave and the rest had arrived. There were 500 more people arriving with souvenirs than without. How many people didn't bring a souvenir home?

-  A lift can carry a maximum weight of 1134kg. 9 people weighing 675 kg are in the lift and 4 more people weighing 302kg get in. What is the weight allowance left?

-  A group of friends want to plant 3065 Christmas trees. At the end of the day, they have planted 197 less than their target. Bill planted 815, Niamh planted 679, Siobhan planted 725 and Sarah planted the rest. How many trees did Sarah plant?



How confident do you feel?

