10 points

there?

4 points for detailed solution (draw the venn diagram), 4 points for an outline of your approach (list the clues in the order that you use them and show any mathematical calculations), 2 points for final answer *please circle* (How many white vehicles?).

1/2 white vehicles + cars + buses (4 non-white, 4 white) 18 total buses Myellow bus vehicles (6 were cars) 20 cars 17 9 were not yellow or white - (11 are yellow of # white buses = # not white buses vans + trucks (other) total white cars + buses yellow white vehicles neither white nor yellow

white vehicles neither

we wrote a velist of the clues, then we how to make the # of non-white/white buses oqual because were 8 total -> 4 non-white (1 was yellow) + 4 white - we knew thathere's 5 white cars because Il are yellow er white (and 6 are yellows) so we how know theres . 1/2 of the white vehicles = 9 7 so then multiply by 2 to And the # of total white Vehicles

On the night our play-off was being held, a number of vehicles were in the east parking lot of the gym. Half of the white vehicles were neither cars nor buses. There were 8 buses in all, and only 1 of those was yellow. There were 16 other yellow vehicles, though, and 6 of those were cars. Of a total of 20 cars, 9 were not yellow or white. There were as many white buses as there were buses that were not white. Besides cars and buses, of course, there were vans and trucks. How many white vehicles were there?

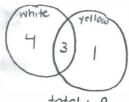
10 points

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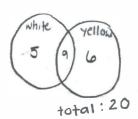


buses

cars



total : 8



trucks



based on cives, there are 9 white so we did not have to complete.



outline/clues/

- · 1/2 of white were not cars or buses
- · 8 total buses, I is a yellow bus
- . 16 other vehicles, 6 were cars
- 120 total cars, 9 are not yellow or white
- white buses = not white

final onswer 18 There were White vehicles.

Steps

First, our group read through the problem. Then, we wrote down each of the steps to keep our information organized. We then made 4 venn diagrams for each buses, cars, trucks and vans. We went through the clues and filled in what it gave us. We found that we did not have

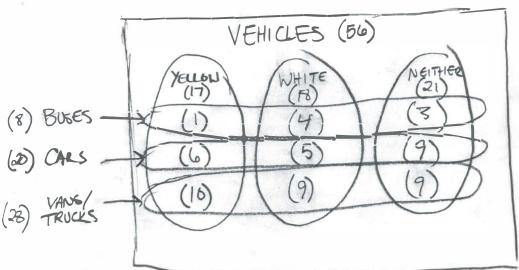
two venn diagrams because it said 1/2 of the white vehicles were not cars nor buses. And we knew there were a total white cars and buses. So we did 9×2 to get the total to get our answer of 18.

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18 WHITE VEHICLES

Problem Solving Chapter 12 Quiz

5 white cars 4 white buses

On the night our play-off was being held, a number of vehicles were in the east parking lot of the gym. Half of the white vehicles were neither cars nor buses. There were 8 buses in all, and only 1 of those was yellow. There were 16 other yellow vehicles, though, and 6 of those were cars. Of a total of 20 cars, 9 were not yellow or white. There were as many white buses as there were buses that were not white. Besides cars and buses, of course, there were vans and trucks. How many white vehicles were there?

9 white puses

10 points

4 points for detailed solution (draw the venn diagram), 4 points for an outline of your approach (list the clues in the order that you use them and show any mathematical calculations), 2 points for final answer *please circle* (How many white vehicles?).

Haff were neither cas nos huses so there were 9 white

1/2 white vehicles were cars not buses 23ad 8 I yellow bus 16 yellow vehicles, 6 were cars 20 total cars 9 were not yellow/white

trucks or vons = # CF (non) yellow buses for a total of 18 white

vehicles, almost

6 yellow Veh2 White ZI Yellow Inon

W IIOu)

Problem Solving Chapter 12 Quiz On the night our play-off was being held, a number of vehicles were in the east parking lot of the gym. Half of the white vehicles were neither cars nor buses. There were 8 buses in all, and only 1 of those was yellow. There were 16 other yellow vehicles, though, and 6 of those were cars. Of a total of 20 cars, 9 were not yellow or white. There were as many white buses as there were buses that were not white. Besides cars and buses, of course, there were vans and trucks. How many white vehicles were there? 10 points 4 points for detailed solution (draw the venn diagram), 4 points for an outline of your approach (list the clues in the order that you use them and show any mathematical calculations), 2 points for final answer *please circle* (How many white vehicles?). not write & cars nor buses 8 louses in all 1 yellow bus 16 other yellow 6 yellow cars 20 cars G9 Eyellow or white equal white bus to an vans/thucks ars a were reither buses nor cors SO It Phere white buses | cars Hare were ans/frucks buses buses venicles white more down the

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