

Problemoids

Grade 6
Math Challenge
Workbook

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Table of Contents

About the Cover	iv
Problemoids:	
1. Number Factory	1
2. Germ Generation	2
3. What-a-Question	3
4. Emit on Time	4
5. Great Rings	5
6. One to Ten	6
7. Space Flash	7
8. Dicing	8
9. I-Deal Melons	9
10. Double Vision	10
11. Old Dog, New Trick	11
12. Equal Juice Amendment	12
13. Saving Choice	13
14. Space Chase	14
15. Doubly Deep	15
16. All for One	16
17. Tucumcari	17
18. Anticlimactic	18
19. Identity Crisis	19
20. Lost in Time	20
21. Cutting Corners	21
22. Sum Power	22
23. Hurry Up and Wait	23
24. The Missing Link	24
25. Dollars for Denim	25
26. Strawberry Delirium	26
27. Luck or License?	27
28. Foot Loose on the Track	28
29. Rendezvous	29
30. Quarter Moon	30
31. Weigh to Win	31
32. Downtown or Downhill?	32
33. Exponential Expertise	33
34. The Whole Hole	34
35. Annular Checkup	35
36. Tipping the Scales	36
37. Divide and Conquer	37
38. Short Way to Prey	38
39. Dinosaur Derby	39
40. Fuel for Thought	40
41. Quick Thinking, Good Job	41
42. Clickety-Clack	42
43. For Every Winner, There's a Loser	43
44. Prime Celebration	44
45. Dollars and Sense	45
46. Rug Ripper	46
47. Leftovers	47
48. Pick a Pair	48
49. Time Slips Away	49
50. Germicide Squad	50
Answers to Cover Story Questions	51

26. Strawberry Delirium

Betty, Al, Jose, and Linda drove to the strawberry patch and picked 154 quarts of strawberries. Betty picked the most strawberries. She picked 4 more quarts than Al, 7 more than Jose, and 11 more than Linda. The charge for all the strawberries was \$192.50. Betty knew that her share would be the most, but nobody knew exactly how much to pay. Calculate the fair share for each person.

Hint 1

Change the question to “How many quarts did each person pick?”

Hint 2

Change the information given to make each person pick as many quarts of strawberries as the person who picked the most.

Hint 3

Solve a simplified related problem. For example, if 15 quarts of strawberries were picked altogether, and Greg picked 1 quart more than Ann and 2 quarts more than Sam, how many quarts did each person pick? What is a simple rule for obtaining your solution?