



Calculate the given percent of each value.

1. 85% of 36 = 30.6 2. 79% of 91 = 71.89 3. 23% of 81 = 18.63
4. 65% of 655 = 425.75 5. 100% of 42 = 42 6. 63% of 3 = 1.89
7. 29% of 204 = 59.16 8. 49% of 61 = 29.89 9. 62% of 1 = 0.62
10. 40% of 86 = 34.4

Find the magic number.

11.

7	14	16	21
18	19	9	12
13	8	22	15
20	17	11	10

Magic Number: **58**

12.

9	19	12	14
20	6	17	11
15	13	18	8
10	16	7	21

Magic Number: **54**

Find the pattern.

13. 55, 52, 49, 46, 43, 40, 37, 34, 31 (-3)
14. 63, 68, 73, 78, 83, 88, 93, 98, 103 (+5)
15. 24, 30, 32, 39, 41, 49, 51, 60, 62 (+6 + 2 + 7 + 2 + 8 + 2...)
16. 43, 49, 56, 64, 73, 83, 94, 106, 119 (+6 + 7 + 8 + 9...)
17. 21, 28, 35, 42, 49, 56, 63, 70, 77 (+7)



Name: _____

Grade _____

Find the secret trail.

18.

5	2	1	3
5	4	2	8
46	10	10	5
9	1	2	1
			8

-

19.

9	9	4	6
27	10	9	1
3	5	6	9
7	3	1	5
			7

-

20.

10	5	8	8
42	7	4	5
4	6	6	2
4	4	3	3
			9

-

Find the secret trail.

21.

7	2	9	10
3	10	2	4
6	4	4	1
1	2	1	4
			42

+

22.

9	3	3	6
10	7	4	4
10	2	4	5
4	1	8	1
			31

+

23.

8	7	1	2
4	1	7	7
7	10	10	3
5	10	10	7
			50

+

Calculate the root of each value.

24. $\sqrt{49} = 7$ 25. $\sqrt{784} = 28$ 26. $\sqrt{1} = 1$ 27. $\sqrt{81} = 9$ 28. $\sqrt{961} = 31$

29. $\sqrt{361} = 19$ 30. $\sqrt{36} = 6$ 31. $\sqrt{25} = 5$ 32. $\sqrt{625} = 25$ 33. $\sqrt{100} = 10$

Convert the values.

34. $54^2 = 2,916$ 35. $5^2 = 25$ 36. $7^2 = 49$ 37. $8^2 = 64$ 38. $1^2 = 1$

39. $88^2 = 7,744$ 40. $10^2 = 100$ 41. $3^2 = 9$ 42. $9^2 = 81$ 43. $98^2 = 9,604$



Solve.

44. 62, 1, 9, 71, 55, 9

Mean = 34.5 Median = 32

Mode = 9 Range = 70

45. 71, 66, 2, 48, 49, 8

Mean = 40.667 Median = 48.5

Mode = none Range = 69

46. 4, 9, 7, 45, 4, 8

Mean = 12.833 Median = 7.5

Mode = 4 Range = 41

47. 2, 3, 8, 9, 8, 1

Mean = 5.167 Median = 5.5

Mode = 8 Range = 8

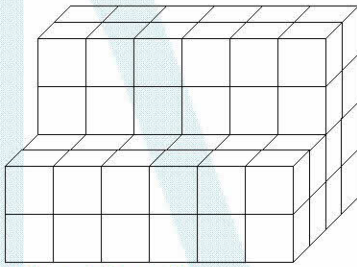
48. 6, 42, 2, 3, 5, 15

Mean = 12.167 Median = 5.5

Mode = none Range = 40

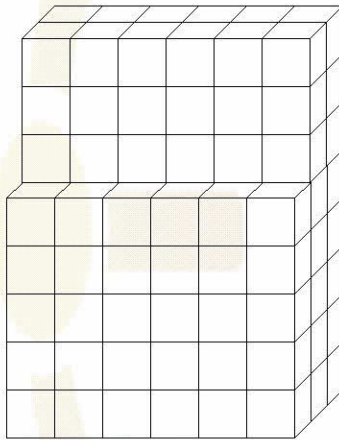
Determine the number of cubes.

49.



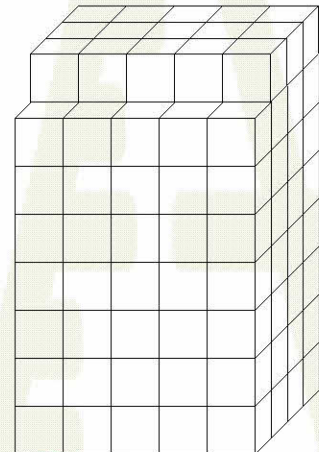
72 cubic units

50.



126 cubic units

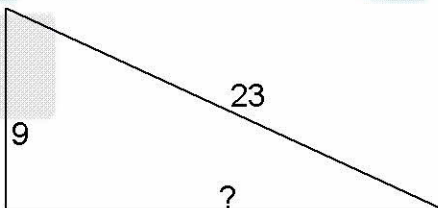
51.



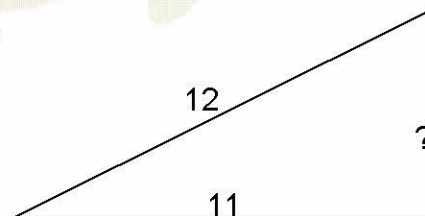
155 cubic units

Find the length of the side.

52.

 $S = 21.166$

53.

 $S = 4.796$

