

Summer Work Answers – Students Entering Pre-Algebra-7

1. $4x + 12$; Distributive Property

2. $14x$; Commutative Property of Multiplication and Associative Property of Multiplication

3. 27 square units 4. $3.5a + 2c$; \$13

5. $\frac{2}{7}$ 6. $36\frac{4}{5}$ 7. 1.44

8. 4.6 9. $27\frac{1}{5}$ in.² 10. 9

11. 37 12. 18 13. 7

14. $2\frac{1}{3}$ c of flour, $\frac{2}{3}$ c of sugar, $1\frac{5}{6}$ c of chocolate chips

15. 20 units²

16.

Stem	Leaf
3	8
4	2 6
5	0 2 5 6 6 8

17. -5, -3, -2, 6, 9 18. -8, -2, -1, 2, 4

19. the eighteen-pack (\$0.305 per juice box compared to \$0.325 per juice box in the twelve-pack)

20. 62.5% 21. 420% 22. 212%

23. They are all in agreement.

$$46.2\% = \frac{231}{500} = 0.462$$

24. 5 vertices 25. \$17.85

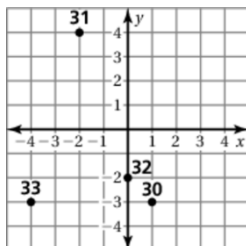
26. 8 : 6; For every 8 baseballs, there are 6 soccer balls.

27. 5 hours, 12 minutes

28. mean: 9.9; median: 9.5; mode: 9; IQR: 2; range: 4

29. no; You also need to know how many she has shot so far. There is not enough information to answer the question.

30–33.



34. $s = 16$ 35. $c = 8$ 36. 1456 ft^2

37. $(5 \cdot 6)x = 80$; $2\frac{2}{3} \text{ cm}$; $118\frac{2}{3} \text{ cm}^2$

38. 3.75 39. $w < 5.5$ 40. $m \geq 7$

41. statistical; You expect variability in the answer.

42. not statistical; There is only one answer.

43. 25% of the time

44. Store A: skewed-left; Store B: symmetrical

45. Store A 46. 10 47. 21

48. 30 days 49. 10

50.

Boys	3	9	18
Girls	7	21	42

51.

Feet	72	57	39
Yards	24	19	13

52. 8–9 53. 20 students 54. 55%

55. $-5, -4, -|-1|, 0, |-2|$ 56. $-6.7, -\frac{28}{5}, 8.2, \frac{17}{2}$

57. 7 58. 5 59. -15 60. -15

61. $\frac{3}{10}$ 62. -1.02 63. $-2\frac{11}{20}$ 64. -4.6

65. 23.5 points 66. $x = -1\frac{7}{30}$

67. $a = -3.2$ 68. 8 pens

69. 1456 ft^2

70. 0.25 minute, or 15 seconds