

## Entering Math-7 Summer Work Answers

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.<sup>2</sup>      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 units<sup>2</sup>

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

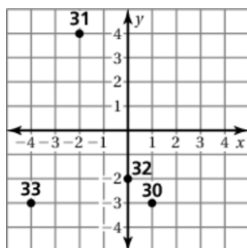
26. 8 : 6; For every 8 baseballs, there are 6 soccer balls.

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.  $1456 \text{ ft}^2$

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.

<b>Boys</b>	3	9	18
<b>Girls</b>	7	21	42

51.

<b>Feet</b>	72	57	39
<b>Yards</b>	24	19	13

52. 8–9      53. 20 students      54. 55%