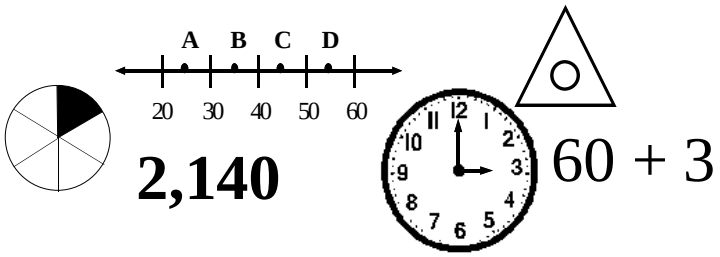
Summer Math Packet
For Students Entering Grade 4

ANSWER KEY



Student's Name _____

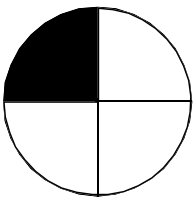
Grade 4 Class _____

June 2012

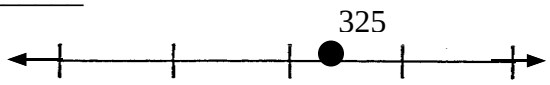
Answer Sheet

Name_____

1. C
2. B
3. D
4. B
5. C
6. C
7. B
8. B
9. D
10. A
11. D



12. _____
13. C
14. C
15. B
16. A
17. C
18. C
19. B



20. _____
21. C
22. D
23. C
24. D
25. answers may vary
26. answers may vary
27. A
28. D
29. D
30. C
31. B
32. C
33. D
34. B
35. C
36. B
37. D
38. B
39. B
40. C

41. C

42. D

43. D

44. C

45. D

46. A

47. B

48. B

49. B

50. C

51. A

52. B

53. C

54. A

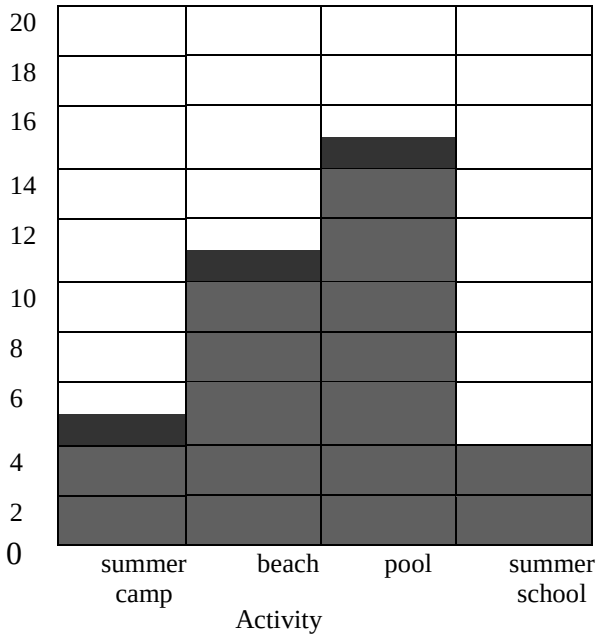
55. qnswers may vary

56. answers may vary

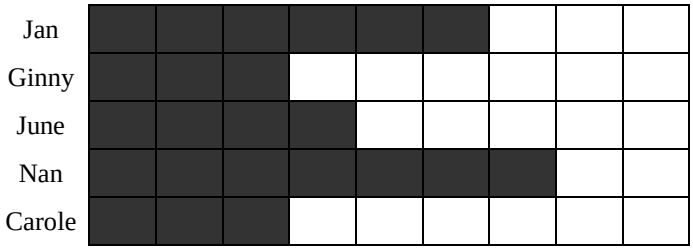
57. B

58. C

59.



60.



61. ____
explanation: answers may vary

62. 53
explanation: answers may vary

63. A

64. _____C_____

65. _____C_____

66. _____A_____

67. Answers will vary.

All animals must be sorted. Possible sorts may include:

- Has/ Does Not Have (i.e. Group A has wings, Group B does not have wings)
- Four legs/ Two legs
- Fur/ No fur

There are many ways to sort this collection

68. Answers will vary

All letters must be sorted.
Possible sorts may include:

- Curves/ Straight lines
- Vowels/ Consonants
- Letters in my name/ Letters not in my name

69. Answers will vary.

70. Answers will vary.

- Samantha needs to sort ALL 20
- Each bag must contain the same total number of items.
- Each bag must contain at least three different types of items.
- No two bags can be filled exactly like another bag.

71.

Jenny's Muffins	
Type of pack	**Number of packs sold**
2 – packs	10
4 – packs	10

-

Strategies for solving will vary.

72. If the tops are assigned capitol letters (A, B, C, and D) and the pants or shorts are assigned numbers (1, 2, and 3), the outfits may be enumerated as Al, A2, A3, B1, B2, B3, C1, C2, C3, and D1, D2, D3. The total number of outfits is 4 x 3, or 12.

Many students will make a diagram to illustrate the situation, such as the following:

Tops

Pants

Alternatively, a student might determine that for each top, there are 3 possible outfits. Since there are four different tops, the total number of possible outfits is 4 x 3, or 12