Answers

Chapter 5 Practice Test

1. A **2.** B **3.** C **4.** C **5.** D **6.** B **7.** $-6t^2 - 9$

8. -1
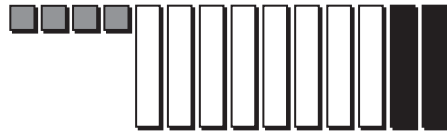
9.
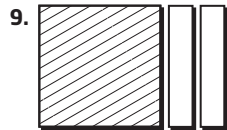
10. Example: $6ab - 11$

11. $7x - 2$

12. $(x^2 - x - 3) - (-x^2 + 3x - 1) = 2x^2 - 4x - 2$

13. a) $(2x^2 + 9x^2) + (-8x + 4x) + (1 - 1) = 11x^2 - 4x$

b) Using models:

$4 - 6w$

Remove three unit tiles and eight negative w-tiles. There are not enough negative w-tiles, so two zero models must be added.

After removing the eight negative w-tiles, $1 + 2w$ remain.

14. a) $(4n + 7) + (5n - 1) = 9n + 6$

b) Example: It represents the difference in the number of peanuts each squirrel buried.

c) $n - 8$

15. a) $100 + 5n$, where n represents the number of children

b) $20 + 4n$

c) $120 + 9n$

d) $201