

Name _____

Date _____ Per _____

found on page 96 of your textbook.

Lesson Standards: M8.A.3.3.1

Sponge Problems

1. A runner ran 3000 m in exactly 8 minutes. What was his average speed in **meters per second**? (M8.A.2.2.2)
A. 3.75 B. 6.25 C. 16.0 D. 37.5
2. A school has 252 books. 24 books can fit in a bookcase. How many bookcases should the school order? (M8.A.3.1.1)
A. 10 B. 10.5 C. 11 D. 24

Section Problems

Simplify each expression

3. $-6k + 7k$

4. $12r - 8 - 12$

5. $n - 10 + 9n - 3$

6. $-4x - 10x$

7. $-r - 10r$

8. $-2x + 11 + 6x$

9. $11r - 12r$

10. $-v + 12v$

11. $-8x - 11x$

12. $4p + 2p$

13. $5n + 11n$

14. $n + 4 - 9 - 5n$

17. $n - 4 - 9$

19. $-3x - 9 + 15x$

21. $-4 + 7(1 - 3m)$

23. $-2n - (9 - 10n)$

25. $9a + 10(6a - 1)$

27. $-10(1 - 9x) + 6(x - 10)$

29. $-3(10b + 10) + 5(b + 2)$

16. $-5 + 9n + 6$

18. $4n - n$

20. $-9k + 8k$

22. $-5n + 3(6 + 7n)$

24. $10 - 5(9n - 9)$

26. $-9(6m - 3) + 6(1 + 4m)$

28. $5(-2n + 4) + 2(n + 3)$

30. $-7(n + 3) - 8(1 + 8n)$