1. 27
2. 3
3. 2
4. 4
5. 16
6. 16
7. 11
8. 31
9. 4
10. 6
11. 14
12. 4
13. 13
14. 108
15. 49
16. 17
17. 33
18. 13
19. 8
20. 4
21. 3
22. The student subtracted 1 from 6 before dividing, instead of dividing and then subtracting.
23. We must agree on an order of operations to ensure that everyone gets the same value for an expression.
24. 3
25. 24
26. 12
27. 16
28. 33
29. 25
30. 24
31. 22
32. 4
33. >
34. >
35. >
36. <
37. >
38. <
39. (7 + 4) · 6 = 66
40. [7 · (8 − 6)] + 3 = 17
41. (3 + 8 − 2) · 5 = 45
42. C
43. 5 + (4 · 9); 41
44. 21 − (15 + 5); 1
45. 17 − (25 ÷ 5); 12
46. 4 + 7 · 3; 25 hours

47–49. Answers may vary. Samples are given.

47. (6 x 5) − (4 x 2) and (6 x 3) + (2 x 2); 22 in.^{2}
48. (6 x 6) − (2 x 2) and (2 x 6) + (2 x 6) + (2 x 2) + (2 x 2); 32 m^2

49. $(5 \times 4) - (3 \times 3)$ and $(4 \times 1) + (4 \times 1) + (3 \times 1)$; 11 ft^2

50. Answers may vary. Sample: Payton bought 4 pairs of blue socks and 3 pairs of red socks at $3 a pair. She also bought a hat for $2. What was the total cost of her purchases? $23

51. Answers may vary.
Sample: $1 + 2 + 3 + 4 + 5 + 6 + 7 + (8 \cdot 9)$