

Parentheses and more than one operation

Substitute, then follow the order of operations.

1. $2(x + 6)$ when $x = 4$

Answer: 20

2. $4(t + 4) + 10$ when $t = 2$

Answer: 34

3. $5(k - 7)$ when $k = 16$

Answer: 45

4. $(y + 3) \div 6$ when $y = 33$

Answer: 6

5. $5(x + 6) + 7$ when $x = 8$

Answer: 77

6. $6(k - 3)$ when $k = 7$

Answer: 24

7. $3(n + 6)$ when $n = 4$

Answer: 30

8. $6(n + 3) + 8$ when $n = 8$

Answer: 74

9. $6(t + 6) + 6$ when $t = 9$

Answer: 96

10. $(n + 42) \div 7$ when $n = 21$

Answer: 9

11. $5(k - 5)$ when $k = 13$

Answer: 40

12. $5(k + 8) + 6$ when $k = 10$

Answer: 96