Arithmetic - Simple Expressions - Answers

Up to four digits, parentheses, remainders - Ex9

The examples below are intended to be used as exercises in mental arithmetic and the student should ***not*** make use of a calculator or other aid. This exercise incorporates arbitrary arithmetic operations other than powers/exponents. Remember that these exercises are solely about whole number arithmetic - there are no fractions!

1. (27 rem 8) × (19 + 42) = *183*

2. (14 + 139 - 203) rem 7 = *-1*

3. (37 + 19 × 8) rem (11 rem 7) = *1*

4. ((394 rem 207) + 2) / 7 = *27*

5. (217 - 143) × (76 + 91) rem 1001 = *346*

6. (43 + 41 × 13) / 3 rem 37 = *7*

7. (-917 rem 41) × -16 + 11 = *251*

8. (359 + (231 rem 143)) × 17 = *7599*

9. (361 - 805) rem 63 × (27 - 42) = *45*

10. (861 - 41 × 211) rem 4123 + 91 = *-3576*

11. (619 + 372 - 87 *rem* 39) / 113 + 203 = *211*

12. (11 × 319 + 463) × 11 *rem* 3172 = *2456*

13. (374 + (219 × -14) *rem* 63) × 13 = *4316*

14. (276 - (34 × 73)) *rem* 2008 + 42 = *-156*

15. (1721 - 698) *rem* 999 × 31 = *744*

16. 56 + (31 × 43) - 217 *rem* 42 = *1382*

17. (93 × 17) *rem* 243 + 19 × 23 = *560*

18. (84 + 21 × 17) / 7 + 321 *rem* 84 = *132*

19. 769 - 23 × 7 + 2376 *rem* 79 = *614*

20. 290 + 23 × 32 - (1468 *rem* 691) = *940*