

# Arithmetic - Simple Expressions

## *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.  $(27 \text{ rem } 8) \times (19 + 42) =$

11.  $(619 + 372 - 87 \text{ rem } 39) /$   
 $113 + 203 =$

2.  $(14 + 139 - 203) \text{ rem } 7 =$

12.  $(11 \times 319 + 463) \times$   
 $11 \text{ rem } 3172 =$

3.  $(37 + 19 \times 8) \text{ rem } (11 \text{ rem } 7) =$

13.  $(374 + (219 \times -14) \text{ rem}$   
 $63) \times 13 =$

4.  $((394 \text{ rem } 207) + 2) / 7 =$

14.  $(276 - (34 \times 73)) \text{ rem}$   
 $2008 + 42 =$

5.  $(217 - 143) \times (76 + 91) \text{ rem } 1001 =$

15.  $(1721 - 698) \text{ rem}$   
 $999 \times 31 =$

6.  $(43 + 41 \times 13) / 3 \text{ rem } 37 =$

16.  $56 + (31 \times 43) -$   
 $217 \text{ rem } 42 =$

7.  $(-917 \text{ rem } 41) \times -16 + 11 =$

17.  $(93 \times 17) \text{ rem } 243 +$   
 $19 \times 23 =$

8.  $(359 + (231 \text{ rem } 143)) \times 17 =$

18.  $(84 + 21 \times 17) / 7 +$   
 $321 \text{ rem } 84 =$

9.  $(361 - 805) \text{ rem } 63 \times (27 - 42) =$

19.  $769 - 23 \times 7 +$   
 $2376 \text{ rem } 79 =$

10.  $(861 - 41 \times 211) \text{ rem } 4123 + 91 =$

20.  $290 + 23 \times 32 -$   
 $(1468 \text{ rem } 691) =$