

Arithmetic - Simple Expressions - Answers

Up to four digits, all operators - Ex10

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. $23 \times 7 + 19 - 36 \times 9 +$
 $13 \times 7 = -53$

11. $2397 / 17 \times 7 +$
 $3194 - 1207 = 2974$

2. $407 \bmod 31 - 27 \times$
 $42 / 21 = -50$

12. $8197 / 7 \times 17 -$
 $2439 - 12136 = 5332$

3. $-407 \bmod 42 +$
 $(-407 \bmod 42) = -16$

13. $14731 \bmod 3194 \times 19 +$
 $2037 = 39182$

4. $(73 + 92 - 16 \times 4) \times$
 $(327 \bmod 91) = 5454$

14. $(3597 - 2103) \times$
 $11 - 469 = 15965$

5. $(174 - 64 \times 3) \bmod 19 \times$
 $(119 + 203) = 322$

15. $(6319 + 1042 -$
 $37 \times 62) \times 7 = 35469$

6. $(43 \times 7 - 319) \bmod 19 \times$
 $(317 - 142) = -3150$

16. $(9043 \bmod 2073 +$
 $91 \times 33) + 11 = 3765$

7. $(3916 - 2423 + 8111) \bmod$
 $763 \times 11 = 4928$

17. $(1193 + 21 \times 76) \bmod$
 $491 + 3612 = 3946$

8. $(42 \times 39 / 7 \times 93 + 11) \bmod$
 $1563 + 41 = 1495$

18. $(3042 - 931 \times 19) \bmod$
 $176 + 3131 = 3268$

9. $219 + 39 \times 7 + 93 \times 11 -$
 $5104 \times 13 = -64837$

19. $316 \times 911 - (213 +$
 $41 \times 17) = 286966$

10. $391 \bmod 13 + (-391 \bmod 13) -$
 $391 \bmod 13 = 12$

20. $-3126 \bmod 1066 -$
 $3126 \bmod 1066 = -922$