

# Arithmetic - Factors - Answers

## *One to three digits, three operators, parentheses, negative numbers - 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. Remember that whole number division always produces a whole number result!

1.  $(14 \times 13 / 7) \times -5 = -130$

11.  $-231 \times 123 /$   
 $(-41 \times -7) = -99$

2.  $14 \times (13 / 7) \times -5 = -70$

12.  $512 \times -99 /$   
 $(384 \times 22) = -6$

3.  $14 \times 13 / (7 \times -5) = -5$

13.  $56 / 7 \times 64 / 16 = 32$

4.  $142 \times$   
 $(196 / (28 \times 7)) = 142$

14.  $96 \times 39 /$   
 $(176 \times 3) = 7$

5.  $76 / (2 \times 19) \times 11 = 22$

15.  $214 \times 52 /$   
 $(8 \times 13) = 107$

6.  $(76 / 2) \times$   
 $(-19 \times -11) = 7942$

16.  $497 / 71 \times$   
 $107 / 7 = 107$

7.  $201 / (5 \times$   
 $9 / 3 \times 5)) = 2$

17.  $621 \times -121 /$   
 $(-23 \times -33) = -99$

8.  $473 \times -126 /$   
 $(43 \times -18) = 77$

18.  $713 / 31 \times$   
 $248 / 31 = 184$

9.  $37 \times 43 /$   
 $(1002 / 307) = 530$

19.  $918 / 17 \times$   
 $156 / 27 = 312$

10.  $748 \times$   
 $(-32 / 8) / -88 = 34$

20.  $(159 \times 121) /$   
 $(583 \times 11) = 3$