Arithmetic - division (mod/rem) - Answers

One to three digits, one operator, negative values - 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. NOTE Whole number division never results in a fractional result - the modulus or remainder is required here. The sign of a remainder is the same as that of the dividend!

1. -12 *rem* 7 = -5
2. 29 *rem* -7 = 1
3. 42 *mod* -7 = 0
4. 42 *rem* -7 = 0
5. -65 *rem* 7 = -2
6. -65 *mod* 7 = 5
7. -57 *mod* -13 = -5
8. -57 *rem* -13 = -5
9. 17 *mod* 3 = 2
10. 17 *rem* 3 = 2
11. -29 *mod* -13 = -3
12. -29 *rem* -13 = -3
13. 46 *mod* -5 = -4
14. -13 *rem* -3 = -1
15. -14 *rem* 5 = -4
16. -11 *mod* 5 = 4
17. 11 *rem* -5 = 1
18. 23 *mod* 14 = 9
19. 23 *mod* -14 = -5
20. 23 *rem* -14 = 9