

Arithmetic - division - Answers

One/two digits, mixed operators, negative values, parentheses - 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. All three whole number division operators are used! **NOTE Whole number division never results in a fractional result.**

1. $17 \bmod 3 / 2 = 1$ 11. $-23 / 12 \bmod 1 = 0$

2. $17 \bmod (3 / 2) = 0$ 12. $-23 / (13 \bmod 1) = \text{infinity}$

3. $11 / (5 \bmod 2) = 3$ 13. $76 \bmod 29 / 3 = 6$

4. $11 / 5 \bmod 2 = 0$ 14. $94 / 37 \bmod 6 = 2$

5. $17 \bmod -(18 / 6) = -1$ 15. $94 / (37 \bmod 6) = 94$

6. $46 \bmod -17 / 12 = 0$ 16. $33 / 11 \bmod 2 = 1$

7. $46 \bmod -(17 / 12) = 0$ 17. $33 / -11 \bmod 3 = 0$

8. $46 \text{ rem } (-17 / 12) = 0$ 18. $33 / (-11 \bmod 3) = 0$

9. $-46 \text{ rem } -(17/12) = 0$ 19. $47 \text{ rem } 19 / 3 = 3$

10. $46 \text{ rem } (-27 / 12) = 0$ 20. $47 \text{ rem } -19 / 3 = 3$