

Solutions Programme F.1 Arithmetic

Solutions to exercises from the book Engineering Mathematics 7th edition.

2. The numbers -10 , 4 , 0 , -13 are of a type called integers.

3. (a) $-3 > -6$

(b) $2 > -4$

(c) $-7 < 12$

5. (a) $8 + (-3) = 8 - 3 = 5$

(b) $9 - (-6) = 9 + 6 = 15$

(c) $(-14) - (-7) = -14 + 7 = -7$

7. (a) $(-5) \times 3 = -15$

(b) $12 \div (-6) = -2$

(c) $(-2) \times (-8) = 16$

(d) $(-14) \div (-7) = 2$

9. $34 + 10 \div (2 - 3) \times 5 = 34 + 10 \div (-1) \times 5 = 34 - 10 \times 5 = 34 - 50 = -16$

14. Some numbers and the rounding of these numbers to the nearest 10, 100 and 1000.

(a) 1846, 1850, 1800, 2000

(b) -638 , -640 , -600 , -1000

(c) 445, 450, 400, 0