1 F.1 Exercises

(p. 7)
Addition, substraction
a) $8 + (-3) = 5$
b) $9 - (-6) = 15$
c) $(-4) + (-8) = -12$
d) $(-14) - (-7) = -7$
(p. 8)
Multiplication Division
$(-5) \times 3 = -15$
$12 \div (-6) = -2$
$(-2) \times (-8) = 16$
$(-14) \div (-7) = 2$
(p. 9)
Order of operations

$4 + 5 \times 6 \div 2 - 12 \div 4 \times 2 - 1$
$4 + 30 \div 2 - 12 \div 4 \times 2 - 1$
$4 + 15 - 12 \div 4 \times 2 - 1$
$4 + 15 - 3 \times 2 - 1$
$4 + 15 - 6 - 1$
12

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

$5 - \{8 + 7[4 - 1] - 9 \div 3\}$
$5 - \{8 + 21 - 3\}$
$5 - 26$
-21

1.1 Basic Laws

Commutativity : integers can be added or multiplied in any order.
$5 + 8 = 8 + 5$