

Exercise 2015-8EE-00005(2)

- (1) Solve for x : $2p + 1 = 2 - 3q$ with $p = 2x$ and $q = -x$
- (2) You buy two cool drinks and 24 toffees at the canteen. One cool drink costs as much as six times the cost for one toffee. The total cost for all your purchases is R54. Determine the price of one toffee.
- (3) The interior angles of a triangle are $(2x + 10^\circ)$; $(35^\circ - x)$ and $(x - 15^\circ)$ respectively. Calculate the value of x .
- (4) The sum of two numbers is 36. The one number is three times as much as the other number. Calculate the two numbers.
- (5) The perimeter of a rectangle is 54 cm. The length of the rectangle is 5 cm longer than the breadth of the rectangle. Determine the dimensions of the rectangle.
- (6) Solve for x and y : $3(x - 2) + 1 = 4 = 2 - (1 - y)$