

Exercise 2015-8EA-00007(4)

NO CALCULATOR MAY BE USED IN THIS EXERCISE!

- (1) 24 is a common multiple of two numbers. The product of the two numbers is 32.
Determine the two numbers?
- (2) The square root of a certain number is the same as double the square of 2. Find this number?
- (3) $2^3 \cdot 3^2$ are the prime factors of M. What is the number value of M?
- (4) Are the following statements true or false?
- (a) All natural numbers are whole numbers as well?
 - (b) The largest multiple of 12 is 144.
 - (c) The factors of 9 are 1 ; 3 and 9.
 - (d) 15 is a composite number.
 - (e) The LCM of 12 and 15 is 3.
 - (f) $((2)^2)^2 = (2)^4$
- (5) (a) The temperature is 3°C . Through the day it rises with 7°C and after that it drops with 11°C . What is the current temperature?
- (b) You owe your mother R40. You borrow another R35 before you repay R70 when receiving your pocket money. Did you repay all debts to your mother? If not, how much do you still owe her?
- (6) If $\sqrt{121 + x} = 13$, determine the value of x .