

Exercise 2015-8EA-00014(2)

NO CALCULATOR MAY BE USED IN THIS EXERCISE!

(1) Calculate, without using a calculator. Show all calculations.

(a) $3^3 + 7^2$

(b) $\sqrt{\sqrt{81}}$

(c) $6 + 3 \times 2^2$

(d) $2(9 - 12) - (-2)^2$

(e) $\sqrt[3]{3\,375}$

(2) (a) Determine the prime factors of 40 and 35.

(b) Hence, determine the HCF of 40 and 35.

(3) Which of the following numbers are Rational numbers?

$\frac{-6}{11}$; $\sqrt{10}$; 0,234 ; 0 ; $\sqrt[3]{8}$; $4,\dot{3}$

(4) Tabulate the whole numbers smaller and equal to 12.

(5) Write all the uneven prime numbers which is also factors of 30.