

Exercise 2015-7 EC-00004(4)

- (1) Consider the following fractions: (i) $\frac{5}{4}$ (ii) $\frac{4}{5}$ (iii) $1\frac{1}{4}$ (iv) $\frac{10}{8}$ (v) $\frac{8}{2}$
- (a) Write down the improper fraction(s).
- (b) Which fractions are equivalent?
- (c) Which fraction(s) are mixed fractions?
- (d) Write three equivalent fractions for each of (ii) and (iii).
- (e) Arrange the fractions in (i) ; (ii) and (v) in ascending order.
- (f) Find the sum of the fractions in (ii) ; (iii) and (iv).
- (g) What is the difference between (v) and (i).

- (2) Four packs of apples weighs 3,45 kg ; 4,36 kg ; $4\frac{1}{2}$ kg and 3,54 kg respectively.
Calculate the total weight of the heaviest three packs.

(3) Calculate: $\sqrt{\frac{36}{81}} + \left(\frac{2}{3}\right)^3$

- (4) Which of the following is the smallest: $5\frac{13}{20}$ and 5,56 ?
Show all calculations.

- (5) Complete the following table by indicating (with a $\checkmark$) to which number system(s) each belongs:

		N	N_0	$\mathbb{Q}$
(a)	4,5			
(b)	$\frac{12}{4}$			
(c)	$\frac{0}{3}$			
(d)	$\sqrt{16}$			