Chapter 01 – Practice A

1	Which are rational? $$-3, \quad 3.010010001\ldots, \quad \sqrt{25}, \quad -\frac{2}{5}, \quad 4\frac{2}{3}, \quad 2.343434\ldots, \quad 6.879, \quad \sqrt{12}$$
2	Which are integer? $-7, \quad \frac{5}{1}, \quad \frac{10}{2}, \quad \sqrt{36}, \quad 5\frac{2}{3}, \quad 2.56$
3	Which are rational but not integer? $2.34, \quad \frac{18}{3}, \quad \frac{12}{7}, \quad -6, \quad \sqrt{9}, \quad -\frac{4}{5}, \quad \sqrt{5}$
4	Find the decimal representation of $\frac{3}{11}$
5	Find the first 3 digits in the decimal representation of $\frac{5}{14}$.
6	Convert 0.375 to a fraction
7	$-50 + 30 =$
8	$-130 + (-50) =$
9	$-12 - (-20) =$
10	$25 - (-13) =$
11	$\frac{(-12)(15)}{-(3)(-5)} =$
12	$\frac{3}{7} \cdot \frac{21}{2} \cdot \frac{5}{9} =$
13	$\frac{2}{15} + \frac{5}{9} =$
14	$\frac{3}{35} + \frac{2}{77} =$

Answers:

1	$-3,$, $\sqrt{25},$ $-\dfrac{2}{5},$ $4\dfrac{2}{3},$ $2.343434\ldots,$ $6.879,$
2	$-7,$ $\dfrac{5}{1},$ $\dfrac{10}{2},$ $\sqrt{36}$
3	$2.34,$ $\dfrac{12}{7},$ $-6,$ $-\dfrac{4}{5}$
4	$.272727\ldots$
5	$.357$
6	$\dfrac{3}{8}$
7	-20
8	-180
9	8
10	38
11	-12
12	$\dfrac{5}{2}$
13	$\dfrac{31}{45}$
14	$\dfrac{43}{385}$