

Year 9 Mathematics Worksheet 1

Numbers

1. Convert the following to improper fraction.

(a) $3\frac{1}{7}$

(b) $1\frac{1}{2}$

(c) $-1\frac{5}{6}$

(d) $5\frac{7}{50}$

2. Convert the following to mixed number.

(a) $\frac{61}{7}$

(b) $\frac{-30}{7}$

(c) $\frac{199}{98}$

(d) $\frac{66}{13}$

3. Write the following as a decimal.

(a) $\frac{3}{20}$

(b) $\frac{15}{25}$

4. Determine whether each statement is True or False.

(a) $-\pi < 2$

(b) $-6 > -3$

(c) All integers are rational

(d) -3.6 is rational

(e) Zero is neither positive nor negative

5. Show the following inequalities on Number line.

(a) $\{x: x < 4, x \in W\}$

(b) $\{x: x \geq -2, x \in I\}$

(c) $\{x: x > -1, x \in R\}$

(d) $\{x: 0 < x \leq 5, x \in R\}$

6. Write a set builder notation that describes the numbers which are represented in the number line below.

(a)



(b)

