

## Mid-year Exam Revision

## The Number System

**QUESTION 1:**

1.1 Which of the following numbers are rational and which are irrational?

$$\pi; \frac{3}{4}; -\sqrt{0,64}; \sqrt{2}; 3,02; \sqrt{14} \quad (3)$$

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1.2 Determine three rational numbers between  $\frac{1}{8}$  and  $\frac{3}{8}$ . (3)

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1.3 Arrange the following number in ascending order:

$$2\frac{2}{3}; 2,7; 2\frac{3}{5} \quad (3)$$

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1.4 Write down whether the following statements are TRUE or FALSE: (3)

(a)  $\frac{0}{7} = 0$  \_\_\_\_\_

(b)  $\frac{7}{0} = 0$  \_\_\_\_\_

(c) Zero is the identity element for addition. \_\_\_\_\_

**QUESTION 2:**

2.1 Write down whether the following statements are TRUE or FALSE: (5)

(a) 16 is a multiple of 2 and 8 \_\_\_\_\_

(b) 24 is a multiple of 10 \_\_\_\_\_

(c) 1 is a prime number \_\_\_\_\_

(d) All the prime numbers are odd \_\_\_\_\_

(e) 8 is a multiple and a factor of 8 \_\_\_\_\_

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