Class: VIII   **Subject: Maths**
Topic: Rational Numbers
Choose the correct option:

Q1: Which is the largest negative integer having 4 digits?
    i. -1000   ii. -9999   iii. -1023   iv. -1111

Q2: Which of the following statements is always true?

(a) $\frac{x-y}{2}$ is a rational number between x and y.
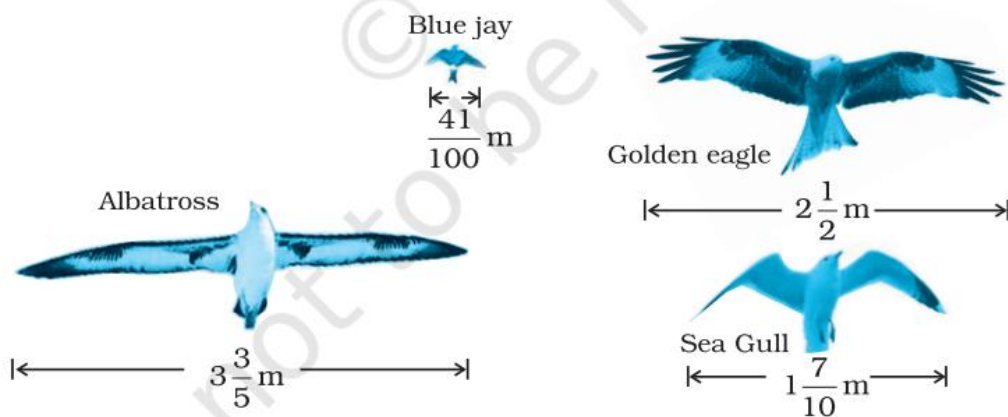
(b) $\frac{x \times y}{2}$ is a rational number between x and y.

(c) $\frac{x+y}{2}$ is a rational number between x and y.

(d) $\frac{x \div y}{2}$ is a rational number between x and y.

Q3: A farmer has a field of area $49\frac{4}{5}$ ha. He wants to divide it equally among his one son and two daughters. Find the area of each one's share. (ha means hectare; 1 hectare = 10,000 m^2)

Q4: The diagram shows the wingspans of different species of birds. Use the diagram to answer the question given below:

(a) How much longer is the wingspan of an Albatross than the wingspan of a Sea gull?

(b) How much longer is the wingspan of a Golden eagle than the wingspan of a Blue jay?

(c) Arrange the birds in ascending order with respect to their wing span.

Q5: The table shows the portion of some common materials that are recycled.

(a) Is the rational number expressing the amount of paper recycled more than $\frac{1}{2}$ or less than $\frac{1}{2}$?

(b) Which items have a recycled amount less than Which items have a recycled amount less than $\frac{1}{2}$?

(c) Arrange the rate of recycling the materials from the greatest to the smallest.

Material	Recycled
Paper	$\frac{5}{11}$
Aluminium cans	$\frac{5}{8}$
Glass	$\frac{2}{5}$
Scrap	$\frac{3}{4}$