GRE QUANT PRACTICE PAPERS – COMPARISON QUESTION TYPE

QUESTION 1

Two different juice concentrates, A and B, are used to form two different mixtures P and Q. To make P, x ml of A and 40 ml of B are used; while to make Q, 90 ml of A and x ml of B are used. It was observed that the juice concentration in each mixture, P and Q, is the same.

Quantity A	Quantity B
x	60

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 2

$p, q, r,$ and s are four numbers such that $pq^2 - |q| > q^2r - |s|$ and $|q| > |s|$

Quantity A	Quantity B
p	r

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 3

x and y are two numbers such that $x - \sqrt{-} > y$.

Quantity A	Quantity B
x	y

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 4

Quantity A	Quantity B
10^{11}	2^{37}

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 5

A dice is rolled four times and the numbers appearing on each roll are noted.

Quantity A	Quantity B
The probability that the four numbers are distinct and are in ascending order	$\frac{5}{18}$

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

The relationship cannot be determined from the information given.

QUESTION 6

For test takers in a national level contest, the scores were observed to be normally distributed with median score as 65 and standard deviation as 4.

Quantity A	Quantity B
Percent of students having scores in the range 61 to 71	74.75%

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 7

The operator '#' is such that $2\#3=1$ and $2\#(-3)=1$. It is known that $x\#y$ could imply one among $|x-y|$, $|y|-|x|$, and $||x|-|y||$.

Quantity A	Quantity B
$3\#2$	$3\#(-2)$

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 8

A right-angled isosceles triangle and an equilateral triangle have equal perimeters.

Quantity A	Quantity B
Area of the right-angled isosceles triangle	Area of the equilateral triangle

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 9

The three sides of a triangle are of length $(2x-1)(2x-1)$, $(7-x)(7-x)$ and $(x+3)(x+3)$.

Quantity A	Quantity B
x	4

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.

QUESTION 10

xx and yy are numbers such that $|x|+|y|=12|x|+|y|=12$ and $|x|-|y|=4|x|-|y|=4$.

Quantity A	Quantity B
xyxy	22

A Quantity A is greater.

B Quantity B is greater.

C The two quantities are equal.

D The relationship cannot be determined from the information given.