## Unit1 Real Numbers

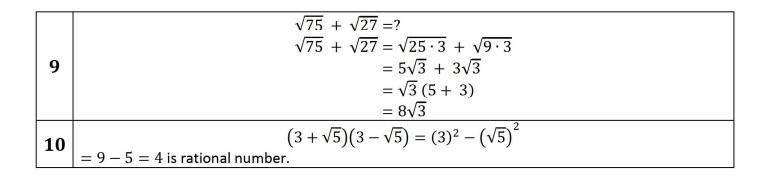
Sr. No.	Questions	A	В	С	D
1	$\sqrt{7}$ is:	integer	rational number	irrational number√	natural number
2	$\pi$ and $e$ are:	natural numbers	integers	rational numbers	irrational numbers√
3	If $n$ is not a perfect square, then $\sqrt{n}$ is:	rational number	natural number	integer	irrational number√
4	$\sqrt{5} + 5$ is:	whole number	integer	rational number	irrational number√
5	For all $x \in R$ , $x = x$ is called:	reflexive property√	transitive number	symmetric property	trichotomy property
6	Let $a, b, c \in R$ , then $a > b$ and $b > c \Rightarrow a > c$ is called property:	trichotomy	transitive√	additive	multiplicative
7	$2^x \times 8^x = 64 \text{ then } x =$	$\frac{3}{2}$	$\frac{3}{4}$	<u>5</u> 6	$\frac{2}{3}$
8	Let $a, b, c \in R$ , then $a = b$ and $b = a$ is called property:	reflexive	symmetric√	transitive	additive
9	$\sqrt{75} + \sqrt{27} =$	$\sqrt{102}$	9√3	5√3	8√3✓
1101	The product of $(3 + \sqrt{5})(3 - \sqrt{5})$ is:	prime unber	GladSmerh	irrational number	Drational number (

## **Solution of MCQs**

1	$\sqrt{7}$ is irrational since it cannot be written as $\frac{p}{q}$ .				
2	$\pi$ and $e$ are famous examples of irrational numbers.				
3	$\sqrt{n}$ is irrational when $n$ is not a perfect square.				
4	Rational + Irrational = Irrational $\Rightarrow \sqrt{5} + 5$ is irrational.				
5	x = x for all real $x$ is the <b>reflexive</b> property.				
6	$a > b$ and $b > c \Rightarrow a > c$ is <b>transitive</b> property.				
7	$2^{x} \times 8^{x} = 64$ $2^{x} \times (2^{3})^{x} = 64$ $2^{x} \times 2^{3x} = 64$ $2^{x+3x} = 2^{6}$ $\Rightarrow x + 3x = 6$ $4x = 6$ $x = \frac{6}{4}$ $x = \frac{3}{2}$				
8	If $a=b\Longrightarrow b=a$ is called is <b>symmetric</b> property.				

Prepared By: M. Tayyab, SSE (Math) Govt Christian High School, Daska. Mobile: 03338114798

Website: https://hira-science-academy.github.io



## Muhammad Tayyab (GHS Christian Daska)

Prepared By: M. Tayyab, SSE (Math) Govt Christian High School, Daska. Mobile: 03338114798

Website: https://hira-science-academy.github.io