

Mathematics 9th Class English Medium Unit 4 Online Test

Sr	Questions	Answers Choice
1	The product of two polynomials is equal to the of their H.C.F and L.C.M	A. Sum B. Difference C. Product D. Quotient
2	The square root of $x^2 - 6x + 9$ is	C. $x-3$ D. $x+3$
3	L.C.M. of a^2-b^2 and a^4-b^4 is	A. a^2+b^2 B. a^2-b^2 C. a^4-b^4 D. $a-b$
4	L.C.M of $15x^2z$, $45xy^2$ and $30yz^2$ is	A. $90xyz$ B. $90x^2y^2z^2$ C. $90x^3y^3z^3$ D. $15x^2yz$
5	H.C.F. of a^2-b^2 and a^3-b^3 is	A. $a-b$ B. $a+b$ C. a^2+ab+b^2 D. a^2-ab+b^2
6	H.C.F of a^3+b^3 and a^2-ab+b^2	A. $a+b$ B. a^2-ab-b^2 C. $(a-b)^2$ D. a^2+b^2
7	H.C.F. of $m-2$ and m^2+m-6 is	A. $m+2$ B. $m+3$ C. m^2+m-6 D. $m-2$
8	H.C.F of $35a^2b^2$ and $20a^3b^3$ is	A. $5a^2b^2$ B. $20a^3b^3$ C. $35a^5b^5$ D. $5ab$
9	H.C.F. of x^3y-xy and $x^5y^2-x^2y^5$ is	A. $xy(x^2-y^2)$ B. $xy(x-y)$ C. $x^2y^2(x-y)$ D. $xy(x^3-y^3)$
10	Factors of $x^4 - 16$ is	A. $(x-2)^2$ B. $(x-2)(x+2)(x^2+4)$ C. $(x-2)(x+2)$ D. $(x+2)^2$
11	$(x+y)(x^2-xy+y^2)=$	A. x^3-y^3 B. x^3+y^3 C. $(x+y)^3$ D. $(x-y)^3$
12	Factors of $8x^3 - y^3$ are	A. $(2x+y)(4x^2+2xy-y^2)$ B. $(2x+y)(4x^2-2y+y^2)$ C. $(2x-y)(4x^2-2xy+y^2)$ D. $(2x-y)(4x^2+2xy+y^2)$
13	Let $5x^2 - 17xy - 12y^2 = A \times B$ if $A = (x-4y)$ then B is.	A. $(5x+3y)$ B. $(5x-3y)$ C. $(5x+3y)$ D. $(5x-4y)$
14	What should be added to complete the square of $y^4 + 81$	A. $18y^2$ B. $-18y^2$ C. $9y^2$ D. $18y$
15	Find m so that $x^2 + 8x + m$ is a complete square.	A. 8 B. -8 C. 4 D. 16