

5	If the quadratic equation $x^2 + 4x + k = 0$ has real and equal roots, then (a) $k < 4$ (b) $k > 4$ (c) $k = 4$ (d) $k \geq 4$	1
6	The perimeter of a triangle with vertices $(0, 4)$, $(0, 0)$ and $(3, 0)$ is (a) 5 units (b) 12 units (c) 11 units (d) $(7 + \sqrt{5})$ units	1
7	If in triangles ABC and DEF , $\frac{AB}{DE} = \frac{BC}{FD}$, then they will be similar, when (a) $\angle B = \angle E$ (b) $\angle A = \angle D$ (c) $\angle B = \angle D$ (d) $\angle A = \angle F$	1
8	In which ratio the y-axis divides the line segment joining the points $(5, -6)$ and $(-1, -4)$? (a) 1 : 5 (b) 5 : 1 (c) 1 : 1 (d) 1 : 2	1
9	In the figure, if PA and PB are tangents to the circle with centre O such that $\angle APB = 50^\circ$, then $\angle OAB$ is equal to (a) 25° (b) 30° (c) 40° (d) 50°	1
10	If $\sin A = \frac{1}{2}$, then the value of $\sec A$ is : (a) $\frac{\sqrt{3}}{2}$ (b) $\frac{1}{\sqrt{3}}$ (c) $\sqrt{3}$ (d) 1	1
11	$\sqrt{3} \cos^2 A + \sqrt{3} \sin^2 A$ is equal to (a) 1 (b) $\frac{1}{\sqrt{3}}$ (c) $\sqrt{3}$ (d) 0	1
12	The value of $\cos 1^\circ \cos 2^\circ \cos 3^\circ \cos 4^\circ \dots \dots \dots \cos 90^\circ$ is (a) 1 (b) 0 (c) -1 (d) 2	1
13	If the perimeter of a circle is equal to that of a square, then the ratio of their areas is (a) 22 : 7 (b) 14 : 11 (c) 7 : 22 (d) 11 : 14	1
14	If the radii of two circles are in the ratio of 4 : 3, then their areas are in the ratio of : (a) 4 : 3 (b) 8 : 3 (c) 16 : 9 (d) 9 : 16	1
15	The total surface area of a solid hemisphere of radius 7 cm is : (a) $447\pi \text{ cm}^2$ (b) $239\pi \text{ cm}^2$ (c) $174\pi \text{ cm}^2$ (d) $147\pi \text{ cm}^2$	1



Basic Maths Test Papers

Wenbin Ji



Basic Maths Test Papers:

Unveiling the Magic of Words: A Review of "**Basic Maths Test Papers**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Basic Maths Test Papers**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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