



CITIVUS

**Perimeter and Area of Plane Figures;
Surface Area and Volume of Solids; Data
Handling; and Probability.**

WORKSHEET 5

Question 1	<p>If the radius of a circle is increased by 25%, then its circumference will increase by</p> <ul style="list-style-type: none">• 25%• 50%• 75%• 100%
Question 2	<p>The maximum number of rectangular faces possible in a cuboid is _____.</p> <ul style="list-style-type: none">• 4• 6• 5• 8
Question 3	<p>If the side of a cube is tripled, its surface area increases by _____ times.</p> <ul style="list-style-type: none">• two• three• six• nine

Question 4	<p>The graphical representation of data in the form of equally spaced vertical bars is called</p> <ul style="list-style-type: none"> • bar chart • pie chart • tally marks • pictograph
Question 5	<p>The difference between the highest and the lowest observations is called the _____.</p> <ul style="list-style-type: none"> • frequency • range • observation • class
Question 6	<p>The probability of a sure event is:</p> <ul style="list-style-type: none"> • 0 • -1 • 1 • $\frac{1}{2}$
Question 7	<p>The diagonal of a cuboid is given by:</p> <ul style="list-style-type: none"> • $(lb + bl + hl)^2$ • $(lb + bl + hl)^{\frac{1}{2}}$ • $l^2 + b^2 + h^2$ • $(l^2 + b^2 + h^2)^{\frac{1}{2}}$

Question 8	<p>If the side of a cube is decreased by 50%, then its volume is decreased by</p> <ul style="list-style-type: none"> • 25% • 75% • 87.5% • 12.5%
Question 9	<p>The area of an equilateral triangle of side 12 cm is _____.</p> <ul style="list-style-type: none"> • 64.5 cm^2 • 62 cm^2 • 62.35 cm^2 • 60 cm^2
Question 10	<p>The probability P of occurrence of an event is given by</p> <ul style="list-style-type: none"> • $0 < P < 1$ • $0 \leq P \leq 1$ • $-1 \leq P \leq 1$ • $-1 < P < 1$

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Answers

Answer 1	25%
Answer 2	6
Answer 3	nine
Answer 4	bar chart
Answer 5	range
Answer 6	1
Answer 7	$l^2 + b^2 + h^2$
Answer 8	87.5%
Answer 9	62.35 cm ²
Answer 10	$0 \leq P \leq 1$

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