

Maths Revision Worksheet Grade VI
Mixed Bag

- Fill in the blanks:
 - An angle whose measure is the sum of two right angles is a _____.
 - A cube has _____ faces, _____ edges and _____ vertices.
 - The 3-D shape of a football is _____.
 - The smallest decimal number upto 3 decimal place is _____
 - An angle that is more than 180° is _____.
- Verify the following for $x = -1$ and $y = 3$.
 $(x + y)^2 = x^2 + y^2 + 2xy$
- Draw a rough sketch of a hexagon. Draw its diagonals.
- Prakash earns ₹96,000 in 4 months.
 - how much does he earn in 3 months?
 - in how many months will he earn ₹1,68,000.
- Evaluate the following:
 - $31.42 - 17.853 - 6.43$
 - $13.01 - 5.428 + 3.703$
- A square and a rectangle have equal area. If the side of the square is 12 cm and the length of the rectangle is 16 cm, then find
 - breadth of the rectangle
 - perimeter of the rectangle
- For $a = -2$, $b = 2$ and $c = -1$, find the value of $a^3 + b^3 + c^3 - 3abc(a + b + c)$
- In school elections for the post of Head Girl, 45% voted for Pooja and the rest voted for Sanchi. The total number of students who voted was 2000.
 - how many voted for Sanchi?
 - Who won the elections and by how many votes?
- Solve the linear equation and verify the solution:
 $1 + 4\left(x - \frac{1}{2}\right) = 3x - \frac{1}{4}$
- A wire is bent in the shape of a square of side 8 cm. If the wire is re-bent in the shape of a rectangle of length 9 cm, then
 - Find its breadth
 - Which encloses more area and by how much?

11. A rectangular hall is 5 m long and 4 m 20 cm wide. How many square metres of carpet is needed to cover the floor of the hall?
12. Find the mean and the median of the following numbers: 3, 1, 0, 6, 5, 3, 3, 1, 2, 2
Trisha collected the data of 15 friends for the month that they were born in. The data recorded is as follows:
13. Jul, Aug, Nov, Jan, Jul, May, Oct, Feb, Oct, Nov, Jul, Aug, Jan, May, Nov Prepare a frequency distribution table.
14. Sarita bought $\frac{2}{5}$ metre of ribbon and Lalita bought $\frac{3}{4}$ metre of ribbon. What is the total length of the ribbon they bought?
15. Three bells are ringing continuously at intervals of 30, 40, and 50 minutes respectively. At what time will they ring together if they ring simultaneously at 5 A.M.