Mental Maths Worksheet for Class 8: Mental Maths Worksheet for Class 8 helps students improve their math skills by solving problems quickly in their heads without using a calculator or paper. These worksheets focus on basic math operations like addition, subtraction, multiplication, division and working with percentages and fractions.

By practicing regularly students can become faster and more accurate with their calculations. Mental maths worksheets also help build confidence and strengthen understanding of numbers, making it easier for students to handle more difficult math problems in the future.

What is Mental Maths?

Mental maths is the ability to perform calculations in your mind without the use of tools like calculators or paper. It involves solving math problems quickly and accurately by applying techniques and strategies mentally. This skill is commonly used for basic arithmetic operations like addition, subtraction, multiplication, and division as well as more advanced concepts such as percentages and fractions.

Practicing mental maths helps improve problem-solving skills, enhances number sense and boosts confidence in handling numbers.

Mental Maths Worksheet for Class 8

Here is a Mental Maths Worksheet for Class 8 with the questions followed by their answers:

1. What is the equivalent fraction for 0.75?

a) 3/4

b) 4/3

c) 7/5

d) 5/7

Answer: a) 3/4

2. What is the next number in the sequence: 1, 4, 7, 10, 13?

a) 16

b) 14

c) 15

d) 19

Answer: a) 16

3. What is the slope of the line y=2x+1y = 2x + 1y=2x+1?

a) 2

b) 3

c) 4

d) 5

Answer: a) 2

4. What is the formula for finding the volume of a cylinder?

a) $\pi r^2 h$

b) $\pi r^3 h$

c) $\pi r h^2$

d) $\pi r^2 h^2$

Answer: a) $\pi r^2 h$

5. What is the median of the following set of numbers: 3, 4, 7, 8, 9?

a) 6

b) 7

c) 8

d) 9

Answer: b) 7

6. What is the probability of rolling a 4 on a standard dice?

a) 1/6

b) 1/5

c) 1/4

d) 1/3

Answer: a) 1/6

7. What is the perimeter of a rectangular room measuring 7 meters by 4 meters?

a) 11 meters

b) 28 meters

c) 31 meters

d) 35 meters

Answer: b) 28 meters

8. What is the volume (capacity) of a rectangular prism with a length of 10 cm, a width of 5 cm, and a height of 2 cm?

a) 100 cm³

b) 60 cm³

c) 20 cm³

d) 10 cm³

Answer: a) 100 cm³

9. What is the area of a triangle with a base of 8 cm and a height of 5 cm?

a) 20 cm²

b) 40 cm²

c) 30 cm²

d) 50 cm²

Answer: a) 20 cm²

Additional Problems:

1. What is the volume (capacity) of a rectangular prism with a length of 10 cm, a width of 6 cm, and a height of 5 cm?

a) 120 cm³

b) 350 cm³

c) 300 cm³

d) 700 cm³

Answer: c) 300 cm³

2. What is the area of a circle with a radius of 6 cm?

a) 113.1 cm²

b) 36 cm²

c) 72 cm²

d) 28.26 cm²

Answer: a) 113.1 cm²

3. What is the volume of a cylinder with a height of 8 cm and a radius of 4 cm?

a) 101.13 cm³

b) 402.12 cm³

c) 40.45 cm³

d) 80.90 cm³

Answer: b) 402.12 cm³

4. Which of the following shapes is a sphere?

a) Cube

b) Cylinder

c) Rectangular prism

d) Ball

Answer: d) Ball

5. How many sides does a triangle have?

a) 4

b) 5

c) 3

d) 6

Answer: c) 3

6. What is the product of 5/6 and 4/5?

a) 1/3

b) 1/2

c) 4/5

d) 2/3

Answer: d) 2/3

7. What is the sum of 4/5 and 2/5?

a) 6/5

b) 1/2

c) 3/5

d) 2/3

Answer: a) 6/5

Mental Maths Worksheet PDF for Class 8

Mental Maths Worksheet PDF for Class 8 is created to sharpen students mathematical abilities and enhance their mental agility. This worksheet features a variety of questions covering key topics such as algebra, geometry, percentages, fractions and problem-solving with real-life applications.

By practicing these questions students will boost their mental math skills, improve accuracy and develop faster calculation abilities. This resource is ideal for reinforcing classroom learning and can be used both at home and in school. It aims to help students gain confidence in handling complex mathematical problems mentally. Download the PDF now and start enhancing your skills.

Mental Maths Worksheet PDF for Class 8

Benefits of Mental Maths Worksheet for Class 8

- **Boosts Confidence**: As students practice mental maths they become more confident in their ability to solve complex mathematical problems quickly and accurately, which is important for success in advanced topics like algebra and geometry.
- **Improves Speed and Accuracy**: Regular mental maths practice allows students to perform calculations faster and with greater precision which is important for time-bound exams and real-life situations.
- **Strengthens Number Sense**: Mental maths exercises improve students understanding of numbers, patterns and relationships, providing a solid foundation for higher-level math topics such as quadratic equations and trigonometry.
- **Enhances Memory and Concentration**: Mental maths requires students to hold information in their minds and recall it quickly, which helps in improving memory, focus and concentration, benefiting other areas of learning as well.

About CuriousJr Mental Maths Classes

At **CuriousJr** a part of PhysicsWallah, we provide specialized **mental maths classes** designed to help students master essential problem-solving skills. Our program features over **50 mental math strategies**, created to enhance both the **speed** and **accuracy** of calculations.

Our focus is on enhancing logical reasoning and critical thinking, allowing students to confidently tackle complex math problems. Through CuriousJr students not only sharpen their mental calculation skills but also strengthen their cognitive abilities making math an enjoyable and rewarding experience. Join us at CuriousJr to unlock your full potential in mental mathematics.