



Mental Maths Worksheet for Class 9

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Mental Maths worksheet for class 9 typically involve a set of mathematical problems that students are expected to solve mentally, without using a calculator or any other tools. The worksheets aim to develop Mental Math skills, such as the ability to quickly add, subtract, multiply and divide numbers, as well as to recognize patterns and relationships between numbers.

The Mental Maths questions for class 9 may range from simple calculations to more challenging ones, and may include a variety of mathematical operations and concepts, such as decimals, fractions, ratios, and percentages. The use of the following mental math worksheet is a valuable tool for improving mathematical fluency and helping students develop strong problem-solving skills.

Mental Maths Worksheet for Class 9

1. What is the value of x in this expression $(4x + 5)(3x - 7) = 0$?

- a) $6/4$
- b) $7/3$
- c) $5/2$
- d) $3/1$

Answer: b) $7/3$

2. What is the formula for the surface area of a cube?

- a) $6l^2$
- b) $6lw$
- c) $6lh$
- d) $2lw + 2lh + 2wh$

Answer: a) $6l^2$

3. What is the formula for the volume of a cylinder?

- a) $\pi r^2 h$
- b) πr^2
- c) $\pi r h$
- d) $\pi r^2 + 2\pi r h$

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

4. What is the degree of a polynomial with one term?

- a) 0
- b) 1
- c) 2
- d) 3

Answer: b) 1

5. What is the mean of the following set of numbers: 2, 3, 4, 5, 6?

- a) 4
- b) 5
- c) 6
- d) 7

Answer: a) 4

6. What is the median of the following set of numbers: 2, 3, 4, 5, 6?

- a) 3
- b) 4
- c) 5
- d) 6

Answer: b) 4

7. What is the range of the following set of numbers: 2, 3, 4, 5, 6?

- a) 1
- b) 2
- c) 3
- d) 4

Answer: d) 4

8. What is the slope of a line that passes through the points (2,3) and (5,7)?

- a) $1/3$
- b) $4/3$
- c) $3/2$
- d) $4/5$

Answer: b) $4/3$

9. What is the distance between the points (2,3) and (5,7)?

- a) 3
- b) 4
- c) 5
- d) 6

Answer: c) 5

10. What is the midpoint of the line segment connecting the points (2,3) and (5,7)?

- a) (3.5,5)
- b) (4,5)
- c) (4,5.5)
- d) (3.5,5.5)

Answer: a) (3.5,5)

11. What is the slope of a vertical line?

- a) 0
- b) 1
- c) Undefined
- d) Infinite

Answer: c) Undefined

Solve

1. What is the slope of the line that passes through the points (-2, 4) and (3, 7)?

- a) $1/3$
- b) 3
- c) $3/5$
- d) $2/3$

2. What is the distance between the points (3, 4) and (0, 0)?

- a) 5
- b) 4
- c) 3
- d) 2

3. What is the area of a circle with radius 5 cm?

- a) $25\pi \text{ cm}^2$
- b) $50\pi \text{ cm}^2$
- c) $78\pi \text{ cm}^2$
- d) $100\pi \text{ cm}^2$

4. What is the measure of the complement of an angle that measures 45° ?

- a) 45°
- b) 90°
- c) 135°
- d) 180°

5. What is the sum of the interior angles of a triangle?

- a) 90°
- b) 180°
- c) 270°
- d) 360°

Answers

- 1. c) $3/5$
- 2. a) 5
- 3. a) $25\pi \text{ cm}^2$
- 4. d) 45°
- 5. b) 180°

CREST Mathematics Workbook

As extra information, more related materials are also available for students to prepare concepts like addition for class 9. Students are encouraged to think about learning from CREST Olympiads' workbooks. These workbooks have engaging content to make learning fun for class 9 students. It will help them to practice and prepare for CREST Mathematics Olympiad (CMO) and other exams. Additionally, useful for regular school tests.

CREST Mathematics workbook for class 9 can be considered by the students because of the following features -

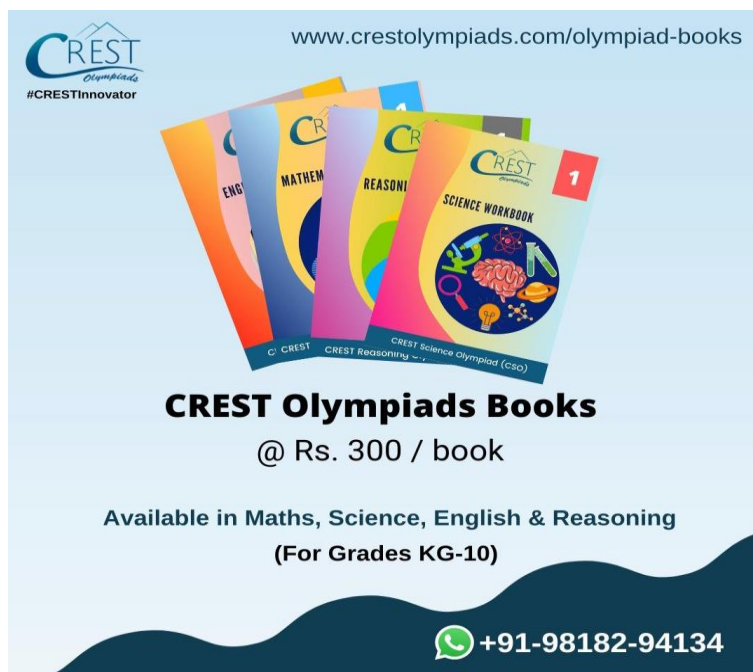
1. Includes a detailed explanation of each topic with practice questionnaires.
2. Covers [class 9 previous year paper of the CREST Mathematics Olympiad](#).
3. Provides answer key for all questions

Useful Links:

[CREST Mathematics Olympiad Book \(First Chapter\) PDF for Class 9 \(Free Download\)](#)

[CREST Olympiads Books for Class 9](#)


Buy CREST Olympiads workbooks here: <https://www.crestolympiads.com/olympiad-books>



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About CREST Olympiads

CREST Olympiads, Most Innovative Olympiad exam is conducted for students in **grades KG - 10**. These Olympiad exams are taken by students from 25+ countries and 4000+ schools.

CREST Olympiads is organized in the following subjects:

1. [CREST Mathematics Olympiad \(CMO\)](#)
2. [CREST Science Olympiad \(CSO\)](#)
3. [CREST English Olympiad \(CEO\)](#)
4. [CREST Reasoning Olympiad \(CRO\)](#)
5. [CREST Cyber Olympiad \(CCO\)](#)
6. [CREST International Spell Bee - Summer \(CSB\)](#)
7. [CREST International Spell Bee - Winter \(CSBW\)](#)

How to register for International CREST Olympiads?

Follow the below steps to register -

Step 1: Visit the [Olympiad registration](#) link.

Step 2: The registration form opens up.

Step 3: Fill in all the registration form details.

Step 4: Select the subject(s).

Step 5: Read the instructions carefully.

Step 6: Proceed to make the payment.

Step 7: Registration is complete.

Note: In case of any queries, related to CREST Olympiads, email us at info@crestolympiads.com or call/WhatsApp on +91-98182-94134.