

STD. 4



MATHEWIZ

Preparatory Booklet

STD. 4

**CREATIVE INTELLIGENCE
DEVELOPMENT SERIES**

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Erandwane, Pune - 411 004.

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VISION

Most of the time when we speak of education we speak about school and formal classroom education. Education occurs in various forms and environments and we understand this to be essential during the pandemic.

We will continue the formal classroom assessment while retaining the online assessments.

Competitions can serve as a valuable educational tool and are a good measure of how well a discipline is accepted and integrated into the curriculum. The answer lies in attempting to bridge some of the gaps that prevent children from using their skills effectively.

Mathewiz is a Maths Competition designed for younger classes to create a love for the subject. Love of Mathematics and developing strong skills is a predictor of later academic achievement. A good foundation helps in future learning of advanced Maths concepts. The specific objective of our assessment is to equip them with the requisite numerical skills.

The Preparatory Booklet in PDF format is being also being provided for students to access from a Smartphone, Laptop or Desktop.

CIDS strives to ensure that our students receive a thorough Mathematics education and imbibe by practice to excel in all academic areas.

Please note : Though the Sample question papers are provided in this booklet, the content and questions at the CIDS Mathewiz competition can be beyond the preparatory booklet.

CIDS : NATIONAL MATHEWIZ COMPETITION

*other CIDS Mathewiz Terms and Conditions apply

SYLLABUS

Numbers- Large Numbers/Ordering of Large Numbers/The Indian System of Numeration/The International Place Value System/ Place Value In 5 - Digit Numbers/Writing 6 - Digit And 7 - Digit Numbers
Roman Numerals

Metric Measures

Length- Units of Measuring Length, Comparing Lengths (mm, cm, m, km)
Weight-Units of Weight, Comparing Weights(gm,kg)
Capacity- Units of Measuring Volume (ml, l)
Converting From Higher to Lower Units/From Lower to Higher Units/Solve problems involving length and distances.

Basic Operations

Addition/ Subtraction of Numbers
Multiplication/ Division of Numbers – Learn Tables up to 15
Multiples And Factors/Prime and Composite Numbers

Time

Reading the Clock in Hours and Minutes/ The 24 - Hour Clock
Conversion Of Time – Hours, Minutes and Seconds
Addition & Subtraction of Time

Calendar

Fractions

Equivalent Fractions -halves, Thirds, Quarters etc
Comparing Fractions/Adding and Subtracting/Multiplying Fractions

Money

Conversion Of Rupees and Paise
Addition, Subtraction, Multiplication And Division of Money

Perimeter and Area

Perimeter/ Area of Square and Rectangle

Geometry

Types Of Angles
Closed Figures

Decimals

Equivalent Decimals
Expanded Form of Decimals
Comparing/ Addition/ Subtraction of Decimals

*Terms and conditions apply

SAMPLE PAPER NO. 1

STD. 4

QUESTIONS : 30

TIME: 40 mins.

Tick the correct answers.

1. Tick the odd one out.

$\frac{2}{5}$ $\frac{3}{5}$ $\frac{8}{20}$ $\frac{6}{15}$

2. Tick the correct option that can make the given number sentence true ?

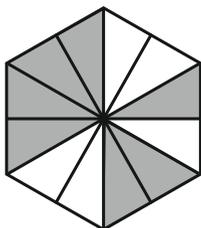
$$\frac{2}{3} \text{ ————— } \frac{1}{4}$$

>

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3. The correct fraction for the shaded portion is :



$\frac{7}{5}$

$\frac{5}{7}$

$\frac{7}{12}$

$\frac{5}{12}$

4. $\frac{1}{2}$ meter indicates _____ cms.

500

50

100

25

5. Draw 4 different ways to cut a rectangle into 4 equal parts.



6. What is the difference (minus) between place value and face value of 8 in 86749 ?

79990

79998

79992

78998

7. 2 kg apple can be weighed by using two 500 gram and _____ 250 gram weights.

Three

Four

Five

Six

8. 507057 ml is equal to _____ litres
and _____ millilitres.

570 litres and 57 millilitres

570 litres and 750 millilitres

507 litres and 570 millilitres

507 litres and 57 millilitres

9. How many 250 g salt packets are needed to make
10 kg salt ?

4

10

20

40

10. Tick the number of days in the month of June
in Roman numerals.

XXX

XXIX

XXII

XXXI

11. Tick the roman numeral for 34

XXXIV

XXXVI

XXXV

XXX

12. Tick the sum (add) of the below numbers in Roman numerals

$$14 + 12$$

XXIV

XXVI

XXV

XVII

13. Stumps  of a wicket to the ground is an example of _____.

Parallel lines

Perpendicular lines

Sector lines

Horizontal lines

14. Which of the below is a right angle ?

130°

100°

120°

90°

15. $\frac{1}{2}$ of Rs. 1 = _____ Paise.

10

20

50

25

16. Rani charges Rs. 300 per hour for home tuition.
How much will she earn for 5 hours of home tuition.

₹ 1050

₹ 1500

₹ 1550

₹ 1505

17. Draw hands on the clock to show the time given below.

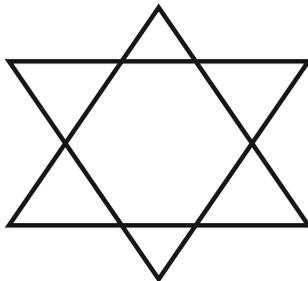


Quarter Past 2'o' clock



9:20

18. The number of triangles in the following figure is :



12

8

6

10