

Institute of Mathematics

Islamic Center of Irving

The objective of the *Institute of Mathematics* is to increase pupil confidence in maths, so they are able to express themselves and their ideas using the language of maths with assurance.

Mixed Review

Choose the correct words.

26	is greater than	29
10	is less than	5

Order each group of numbers from smallest to largest.

5, 7, 1, 9
0, 2, 3, 8
6, 0, 10, 4

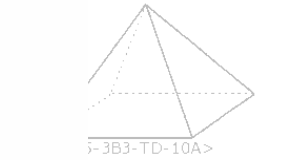
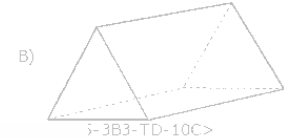
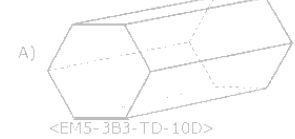
Maths

LOGICAL REASONING

PROBLEM SOLVING

CRITICAL THINKING

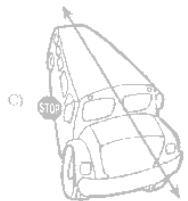
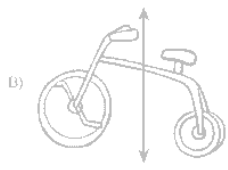
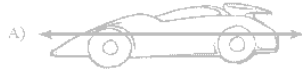
Which of the figures below has the same number of vertices and faces? Mark your answer.



ES BEING BUILT

(c) frequency

Which picture below shows a line of symmetry? Mark your answer.

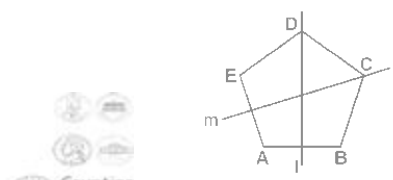


Counting Coins

penny
nickel
dime
quarter

How much is a penny worth?
How much is a nickel worth?
How much is a dime worth?
How much is a quarter worth?

24) In the accompanying figure, l and m are symmetry lines for regular pentagon ABCDE.



Counting Coins

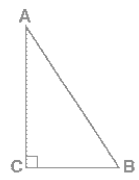
$f \circ g(A)$

Name: _____ $y = -2x^2 + 4x + 3$

- (a) Find the equation of the axis of symmetry.
- (b) State the coordinates of the turning point.

Questions 33 and 34 refer to the following:

Refer to right triangle ABC below:



- 33) If $b = 2$ and $c = 6$, find $\tan A$ in simplest radical form.
- 34) If $m\angle B = 53^\circ 17'$ and $c = 13$, find a to the nearest hundredth.

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Mathematics is a living discipline and a language of technology. It equips pupil with a uniquely powerful set of tools to understand and change the world. These tools include **logical reasoning**, **problem-solving skills**, and the **ability to think in abstract ways**. Mathematics is important in everyday life, like in many forms of employments, science and technology, medicine, the economy, the environment and development, and in public decision making etc. Mathematics is very important in getting a variety of good jobs, where the employers are looking for candidates with strong skills in problem solving. It provides us with powerful theoretical and computational techniques to advance our understanding of the modern world and societal problems, and to develop and manage the technology in the industries that are the backbone of the economy.

As we know; due to poor in Mathematics, most of the public school students are poor in logical reasoning and problem-solving skills. Being an Islamic center in the DFW community, ICI is concerned about the future of our children and their intellectual growth. Therefore, we have decided to provide an atmosphere where our children can learn and enhance their mathematical skills. With the strong mathematical skills, they can face the competition in the society. For this great cause, the Islamic Center of Irving is dedicated for the development of our next generation with well-balanced, knowledgeable Muslim adults, who can positively connect with the society at large. Our main aim is to increase pupil confidence in maths, so they are able to express themselves and their ideas using the language of maths with assurance.

Insha Allah the mathematics classes will be taken by dedicated and qualified teachers. Alhamdulillah three sisters of our community with strong educational background with strong skills in mathematics and holding Masters Degrees have come forward to teach mathematics to our community children. Mathematics classes will be offered during weekends, so that our children can attend easily without any conflict with their regular school schedule. The classes will be offered on a nominal tuition fee in order to meet expenses to conduct the classes.

Fur further details please visit Islamic center of Irving-Sunday school office, upstairs room number 219 or call 972 812 2230 extension 2011. Interested parents can send their enquiries to **mathematics_institute@yahoo.com** Please find the registration forms available in the main lobby of Islamic center of Irving.

Course Details:

Course Title : *Everyday Mathematics*
Course Code : *EMS100*
Course Duration : *4 hrs session on Saturday between 10AM - 2PM
and 2 hrs session on Sunday between 2PM - 4PM*
Course Start Date : *1st Jan 2006.*
Medium of Instruction : *English*

Fee Structure:

Tuition Fee : *\$50/month*
Registration Fee : *\$25 (one time)*
Stationary & Misc. Fee : *\$25 (one time)*

Course Curriculum for few grades (Students of all grades can enroll)

Kindergarten

More and Fewer
Numbers and Counting through Ten
Numbers and Counting through Twenty
Counting Down
Patterns of Numbers
Adding
Subtracting
Positions
Fractions
Telling Time

Second Grade

Names of Numbers
Ordinal Numbers
Counting
Place Values
Comparing and Ordering Numbers
Addition Facts
Addition
Subtraction Facts
Subtraction
Relationship Between Addition and Subtraction
Fractions
Adding and Subtracting Fractions
Decimals
Multiplication
Division
Consumer Math
Measurement
Roman Numerals
Time

Fourth Grade

Place Value
Comparing and Ordering Numbers
Addition
Relationship between Addition and Subtraction
Subtraction
Rounding and Estimating
Multiplication Facts
Multiplication
Relationship of Multiplication and Division
Division Facts
Division
Fractions
Decimals
Measurement - Time
Measurement - Metric System
Measurement - Mass
Measurement - Length
Measurement - Volume
Measurement - Temperature
Consumer Math
Geometry
Perimeter and Circumference
Statistics
Roman Numerals
Patterns

First Grade

Comparing Quantities
Numbers and Counting to Twenty
Counting Down
Numbers to 100
Comparing Numbers
Ordering Numbers
Place Value
Counting by Twos, Fives and Tens
Ordinal Numbers
Fractions
Adding Numbers
Subtracting Numbers
Rounding Numbers
Money
Roman Numerals
Time

Third Grade

Place Value
Comparing and Ordering Numbers
Counting by numbers other than one
Addition
Relationship between Addition and Subtraction
Subtraction
Rounding and Estimation
Multiplication Facts
Multiplication
Relationship of Multiplication and Division
Division Facts
Division
Fractions
Decimals
Consumer Math
Measurements
Geometry
Roman Numerals

Fifth Grade

Place Value
Comparing and Ordering Numbers
Addition
Subtraction
Rounding and Estimating
Multiplication
Relationship of Multiplication and Division
Division
Computation
Fractions
Fractions and Decimals
Decimals
Fractions, Decimals and Percent
Percent
Measurements
Consumer Math
Perimeter and Circumference
Area
Surface Area
Volume
Geometric Properties
Expressions
Statistics
Negative and Positive Integers

Application Form for Enrollment

Student Details

Student Name
Date of Birth
Sex
Name of School
Grade
Address of School

Parent/Guardian Name

Title Mr. Mrs. Ms.
Surname/Family Name
First Name
Last Name
Email Address
Primary Phone Number
Secondary Phone Number
Address
City
State
Zip

Please answer the following questions. If you need more space, attach another sheet of paper.

Have you ever participated in a special program in mathematics or science before? If so, tell us brief about the experience.

Tell us about any other mathematical experiences you have had, such as doing a special Mathematics project or entering a competition.

Comments:

Applicant Signature: _____

Date: _____

Parent Signature: _____

Date: _____