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# Term 1 Mathematics Investigation

## Grade 11 2015

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Maths Problems and Investigations for 5-7 Year Olds  
Investigations Gr 4 Student Activity Booklet: Mathematical Thinking at Grade 4  
Key Stage Two, Maths Investigations  
Maths Investigations  
New York Cop and Other Investigations  
Maths in Context  
Open-ended Maths Investigations  
GCSE Maths Investigations  
Using and Applying Maths  
Maths Problems and Investigations for 9-11 Year Olds  
Maths Investigations  
Maths Problems and Investigations  
Maths Investigations  
Gage Active Mathematics Investigation Book  
View and Do Maths Investigations  
Gage Active Mathematics Investigation Book  
Real Life Maths Investigations  
Open-Ended Maths Investigations, 9-11 Year Olds  
Maths Investigations Through Games  
Problem Solving Through Investigation  
Maths Investigations  
GCSE Maths Investigations  
How to Do Mathematical Investigations  
Open-ended Maths Investigations  
Gage Active Mathematics Investigation Book  
Open-Ended Maths Investigations, 7-9 Year Olds  
Investigations Grade 4  
Engaging Maths  
Gage Active Mathematics Investigation Book  
Engaging Maths  
Gage Active Mathematics Investigation Book  
Open-Ended Maths Investigations, 5-7 Year Olds  
Investigations Grade 1  
Maths Investigations  
Investigations in Number, Data, and Space  
Real Life Mathematics Investigation  
Problem Solving Through Investigation  
Investigations Gr1 at Home: Mathematical Thinking at Gr1 Grade 1  
Real Life Maths Investigations  
Open-Ended Maths Investigations for Primary Schools Series Pack

Term 1  
Mathematics  
Investigation  
Grade 11 2015

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## **MORENO ENRIQUE**

*Maths Problems and Investigations for 5-7 Year Olds* Gage Educational Publishing Company Provides teachers with open-ended investigations into: Number, Money, Measurement, Space, Chance and data, Patterns and algebra.

Investigations Gr 4 Student Activity Booklet: Mathematical Thinking at Grade 4 Pearson Scott Foresman

Demonstrating the fundamental skills and processes that children need to develop, this text provides a wide range of mathematical activities and tasks that can be used to enhance and improve existing skills.

### **Key Stage Two, Maths Investigations**

Gage Educational Publishing Company  
Investigations in Number, Data, and Space; 2nd Ed (©2008) components for Grade 4.

Maths Investigations  
Heinemann Educational Publishers

Activities for children of all ability levels from 5-12 years, and aimed at enriching any primary mathematics scheme.  
New York Cop and Other

Investigations Gage Educational Publishing Company

*Maths Problems and Investigations* is a three-book series of reproducible problem-solving activities for use in primary schools. The books gradually increase in difficulty as you progress through the series. Activities engage pupils in problem solving across a wide range of mathematical operations so it is easy to integrate them into your lessons.

Maths in Context  
Hutchinson

"Today's students live in a media-rich world where information is presented visually and electronically. Why not harness student's responsiveness to video-based media as a way of introducing and engaging them in mathematical investigations and problems?" "The stimulus for investigation comes from the video and students are encouraged to select their own strategies for investigating the situation and providing solutions. They then compare their strategy for solution with those presented by the two characters. A challenge problem (or complication) for the students is also presented

at the end of each episode." "The three levels of books and accompanying DVDs in this series feature the same scenarios and characters but with increasingly complex problems to solve."--Back cover.

Open-ended Maths Investigations Brilliant Publications

Real Life Maths

*Investigations* is a series of three books designed to encourage children to "learn mathematics by doing". They use a problem solving approach to mathematics using activities that the children apply to real life situations. The skills and concepts covered relate directly to the National Statements and include the strands of number, space, measurement, chance and data and mathematical tools and procedures. Each unit contains material that will:- develop children's mathematical thinking; encourage children to use maths in situations they meet everyday; cover skills, concepts and applications from all areas of the mathematics curriculum;; give children the opportunities to use the three methods of computation - mental, written and calculator;

present mathematics in context so children appreciate the importance of the skills they learn; provide children with interesting activities suitable for all levels of ability in the classroom; allow teachers to observe children applying knowledge; and develop an integrated approach to teaching all key learning areas.

#### GCSE Maths

Investigations Hutchinson  
A photocopyable resource to stimulate interest in maths that covers number, shape, space, measures and handling data. It is ideal for individual, group, class or homework use.

#### **Using and Applying**

**Maths** Pearson Scott Foresman  
A photocopyable resource to stimulate interest in maths that covers number, shape, space, measures and handling data. It is ideal for individual, group, class or homework use.

*Maths Problems and Investigations for 9-11 Year Olds* R.I.C.

Publications  
Investigations in Number, Data, and Space (2006) components for Grade 4.

Maths Investigations A&C Black

Part of a K-5 mathematics curriculum, with

curriculum units for classroom use and resources for teachers; Investigations curriculum was developed at TERC, formerly Technical Education Research Centers.

#### **Maths Problems and Investigations**

Hodder Gibson  
The Everyday Investigations books are a collection of rich, open-ended tasks based on photographs of items that children see in their day-to-day lives.

#### **Maths Investigations**

Scott Foresman  
Real Life Maths  
Investigations is a series of three books designed to encourage children to "learn mathematics by doing". They use a problem solving approach to mathematics using activities that the children apply to real life situations. The skills and concepts covered relate directly to the National Statements and include the strands of number, space, measurement, chance and data and mathematical tools and procedures. Each unit contains material that will:- develop children's mathematical thinking; encourage children to use maths in situations they meet everyday; cover skills, concepts and

applications from all areas of the mathematics curriculum; give children opportunities to use the three methods of computations - mental, written and calculator; present mathematics in context so children appreciate the importance of the skills they learn; provide children with interesting activities suitable for all levels of ability in the classroom; allow teachers to observe children applying knowledge; and develop an integrated approach to teaching all key learning areas.

#### **Gage Active Mathematics Investigation Book**

Blake Education  
First in a series of three teacher's resource books, first published in the UK in 1989. Contains 40 games designed to assist primary school students learning maths. Includes teacher's notes.

#### **View and Do Maths Investigations**

Hutchinson  
Maths Problems and Investigations is a three-book series of reproducible problem-solving activities for use in primary schools. The books gradually increase in difficulty as you progress through the series. Activities engage

pupils in problem solving across a wide range of mathematical operations so it is easy to integrate them into your lessons.

Gage Active Mathematics Investigation Book Gage Educational Publishing Company

The books in the Open-ended Maths Investigations series provide teachers with open-ended investigations matched to the following strands of mathematics: Number, Money, Measurement, Space, Chance and data, Patterns and algebra. The investigations encourage pupils to apply higher order mathematical strategies creatively and effectively as they develop proficiency in a wide range of problem-solving strategies. Open-end Maths Investigations can be used in isolation, in sequence or dipped into as teacher require, providing a great supplement to every maths scheme of work.

*Real Life Maths Investigations* Gage Educational Publishing Company

This book has been written to make it as easy

as possible for teachers to introduce investigations into their mathematics lessons. The aim is to help with the coursework for GCSE and Standard Grade. The book includes:

- Worksheet masters for each investigation.
- Ideas for opening out and extending the problems.
- Advice on the age and ability range for which each investigation is suitable.
- Advice on assessment.
- Likely solutions.

**Open-Ended Maths Investigations, 9-11 Year Olds**

"Provides teachers with open-ended investigations matched to all strands of mathematics (number, money, measurement, space, chance and data, patterns and algebra.)" -- T.p. verso.

*Maths Investigations Through Games*

Real Life Maths Investigations is a series of three designed to encourage children to "learn mathematics by doing". They use a problem solving approach to mathematics using activities that the children apply to real life situations. The skills and

concepts covered relate directly to the National statements and include the strands of number, space, measurement, chance and data and mathematical tools and procedures. Each unit contains material that will:- develop children's mathematical thinking; encourage children to use maths in situations they meet everyday; cover skills, concepts and applications from all areas of the mathematics curriculum; give children opportunities to use the three methods of computations - mental, written and calculator; present mathematics in context so children appreciate the importance of the skills they learn; provide children with interesting activities suitable for all levels of ability in the classroom; allow teachers to observe children applying knowledge; and develop an integrated approach to teaching all key learning areas.

*Problem Solving Through Investigation*

Maths investigations : middle + upper primary : RIC-0094.