

Mathematics Book Report

The book report should be minimum 2 pages of A4 pages.



Name : _____ No.: _____ Class: _____ Group : _____

Title of the book : Murderous Maths: The Magic of Maths

Author : Kjartan Paskitt

Publisher : Scholastic Ltd

Summary of the book:

1. Mathematics topic covered in the book
2. (a) Examples with answers for sharing
(b) Mathematics graphs, diagrams, tables, charts, patterns, etc. related to the topic
3. Application of the concepts learnt

Reflection

1. What did you think about the book?
2. How did you appreciate the book?
3. What can you do to further my knowledge of the topic learnt in the book?
4. Reasons why you recommend others to read the book
5. Any other interesting comments about the book

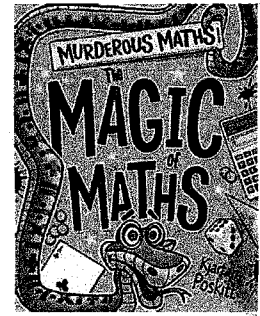
Mathematics Book Report

Name: Cherry Leung No.: 16 Class: 1F Group: ---

Title of the book: MURDEROUS MATHS: The MAGIC of MATHS

Author: Kjartan Poskitt

Publisher: Scholastic Ltd



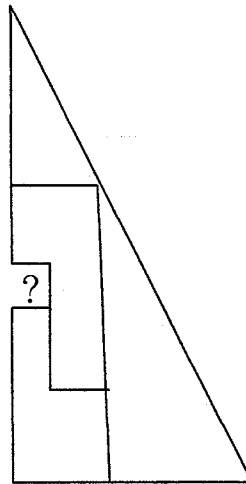
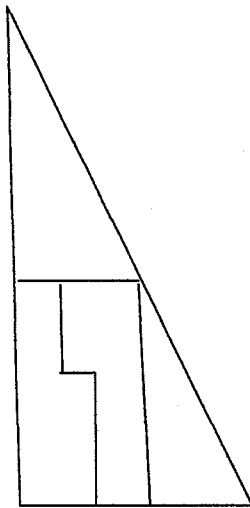
Summary of the book:

This book is published to provide students interesting facts and knowledge about mathematics in a fun way. It includes many topics such as algebra, flexagons, the missing squares, etc.

There are lots of topic in the book and I'll introduce some of them.

The Missing Square

We have to cut a triangle into four pieces and we need to shuffle them round.



You can see the same four pieces are still there, but where has the missing square gone? If you want to know the answer, the best way is to cut out some paper and test out these shapes. And you'll find that you can't make the long edge exactly straight. This is why there is a square missing!

The Hidden Number

Let your friend think of a number between 1 and 12

And this is what he/she has to do:

Add 1 to the number.

Times by 2.

Take away 3.

Times by 5.

Finally, tell you the answer.

Suppose he/she says "35". All you need to do is knock the 5 off the end, and then add to what's left. So for 35 you knock off the 5, next add $3+1$ to give the answer 4. Now you can tell him/her the number is 4!

The weird 1089

To start with, you can learn the 1089 times table

$$1089 \times 1 = 1089$$

$$1089 \times 2 = 2178$$

$$1089 \times 3 = 3267$$

$$1089 \times 4 = 4356$$

$$1089 \times 5 = \dots\dots$$

$$1089 \times 9 = 9801$$

Let's see the pattern. Just look down the column of answers. The first digits go 1, 2, 3, 4... and the last digits go 9, 8, 7, 6...

When you get to 1089×9 you get 9801. It's turned backwards!

The Fibonacci trick

Draw out six boxes in a column, then a slightly bigger box at the bottom. Label them A-G. Ask someone to pick two numbers. Both of them should be under 10.

This is what he/her has to do:

Write his numbers in the top two boxes, one in each.

Add the top two boxes up and write the answer in box C.

Add B+C and put the answer in D.

Add C+D and put the answer in E.

(Now you write a secret prediction on a piece of paper.)

Add D+E and put the answer in F.

Finally, he/she adds up all six numbers and puts the answer in the big box G.

Show him/her the piece of paper and you may amaze him/her!

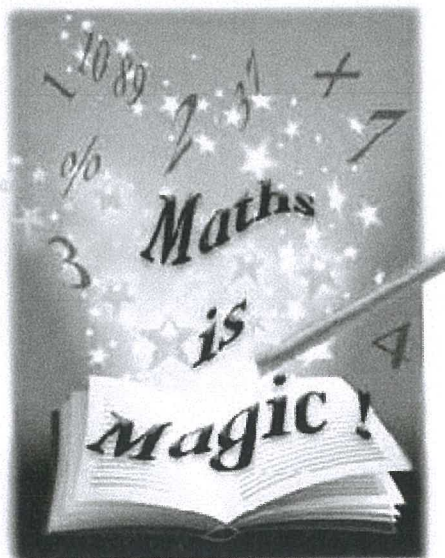
You can just see what number him/her writes in the box E and multiply it by 4. At last, so long as he/she gets his/her sums right, you'll have written the right answer.

You can find out how to amaze your friends and teachers with marvellous maths magic tricks from this book. Beat the calculator, discover cool cards and coin tricks, or even learn how to read minds - all using the power of maths. Besides, sometimes you can also expose some shop owner's cheating method or find some mistakes and save your money!

Reflection:

As I am not so interested in mathematics, I seldom borrow books related to maths. However, this book has changed my perception towards this kind of books. Unlike the mathematics books we often see in bookshops, this book doesn't contain any 'boring and dreadful' exercises. Instead, *The MAGIC of MATHS* contains a lot of fascinating maths games and tricks. There are silly jokes and amusing illustrations that make people want to learn more about maths.

I think this book is really suitable for those who are not so interested in mathematics or want to know more about maths tricks in order to surprise their peers. This book may raise people interest to maths so I strongly recommend it to others.



You report is
Interesting with
many examples!