

# Mathemagic!

# Volume 5

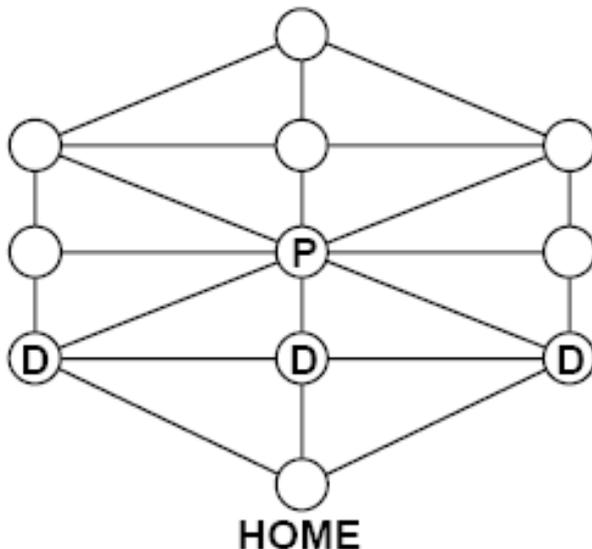
Beaconsfield Upper Primary School

## Dogs and pig (a chase game)

There are three dogs trying to catch one pig. The pig starts in the middle and tries to get 'HOME'.

The dogs start on the bottom three spaces and can only move sideways or away from HOME (up the board).

The pig wins if it gets Home, and the dogs win if they can stop it moving. The pig moves first.



### FRIDGE LIST

Play games in the car such as:  
*Let's count all the blue cars we see on our way to ....*

When your child asks: *How long will it take to get there?*

you can respond with: *It will take about the same time as It takes to.....get to school, watch Play-school etc.*

Stopping at a service station ask:  
*How many ice-creams will we need to buy?*

*Do we have enough money to pay for them?*

*How much does the petrol cost here?*

When going for a walk point out house numbers and ask your child: *What number do you think the next house will be?*

*Will it be an odd or even number?*

When deciding what to wear, talk about the weather.

Ask: *Is it likely to rain today?*

When playing computer games ask: *How did you know which way to go?*

When talking about TV programs ask: *What is the time?*

*What time does the program start?*

*Do we have enough time to read this book before it begins?*

When preparing a meal involve your child in deciding how much food to prepare for the whole family.

You can ask: *Are there enough for us to have one each?*

Website: <http://www.primarygames.com/math.htm>



## Fun with Multiplication

Triangles

Sides



3

Fill in the missing numbers.  
Draw the next row of

\_\_\_\_\_ triangles and  
\_\_\_\_\_ fill in the

number of sides. How many sides would a row of ten triangles have?  
(1.03a, 5.01)

### BELIEVE IT OR NOT

In death valley, California, maximum temperatures of over 49 degrees Celsius have been recorded on 43 consecutive days.

Horses celebrate their birthday on August 1st each year.

Why is this so?

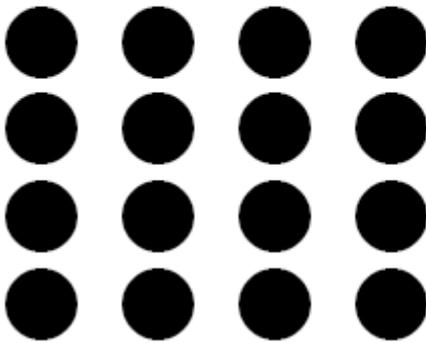
## Removing' games

Place counters in the following shapes. On your turn you must remove any number, as long as they are in the same row or column. They do not have to be next to one another.

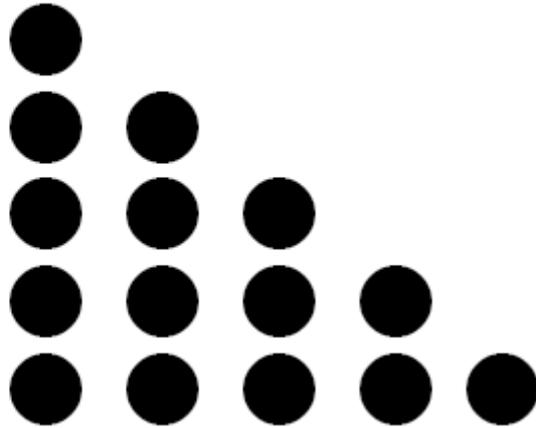
To win you must be able to have the last move by removing the last counter(s).

Square (16 counters) Triangle (15 counters)

Square (16 counters)

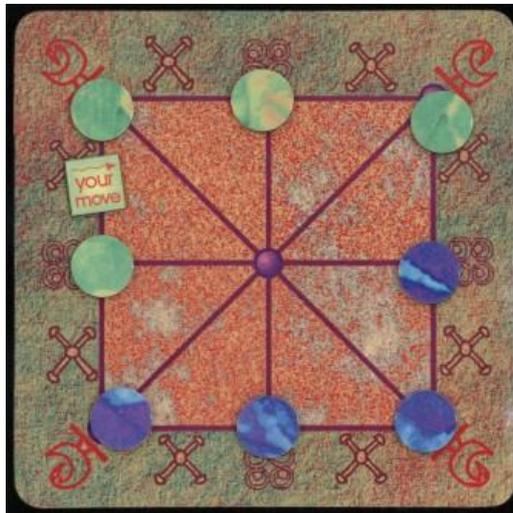


Triangle (15 counters)



## Achi

This is a game played by the Asante people of Ghana, West Africa <sup>\*</sup>. It is played on a board like the one shown below:



## Rules

Each player starts with four counters (like X's and O's) and takes turns placing them on the board as in Tic-Tac-Toe, with the goal of getting a 3-in-a-row. However, if the game is a draw after each has played their four counters, they take turns sliding a counter along the lines into the space left empty. The winner is the first player to get 3-in-a-row.