

FUN MATHS 1

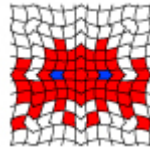
Photocopy Master Worksheets, Teacher Examples & Answers
(Licensed to be photocopied in the purchaser's school only).

RevisionCards.co.uk

CONTENTS

(1) PIXEL DISTORTION 1

- Pupil Worksheet
- Teacher Example Sheet



(2) FRACTAL STAR

- Pupil Worksheet
- Teacher Example Sheet



(3) CIRCLE PATTERNS 1: ROSE

- Can You Draw? (Pupil Example sheet)
- Pupil Worksheet
- Rose Master (for pupils who find compass work too hard)



(4) MAXIMUM MAZE

- 1 Player Games Sheet



(5) NUMBER BOXES

- 2 Player Games Sheet

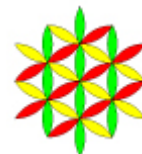


(6) MIND READING CARDS 1

- Binary Number Cards Worksheet

(7) CIRCLE PATTERNS 2: CLASSIC PETALS

- Can You Draw? (Pupil Example sheet)
- Pupil Worksheet
- Petals Master (for pupils who find compass work too hard)



(8) POISON

- 2 Player Puzzle Sheet
- Teacher Answer sheet



(9) SNAKES !

- 2 Player Games Sheet
- Teacher Answer sheet



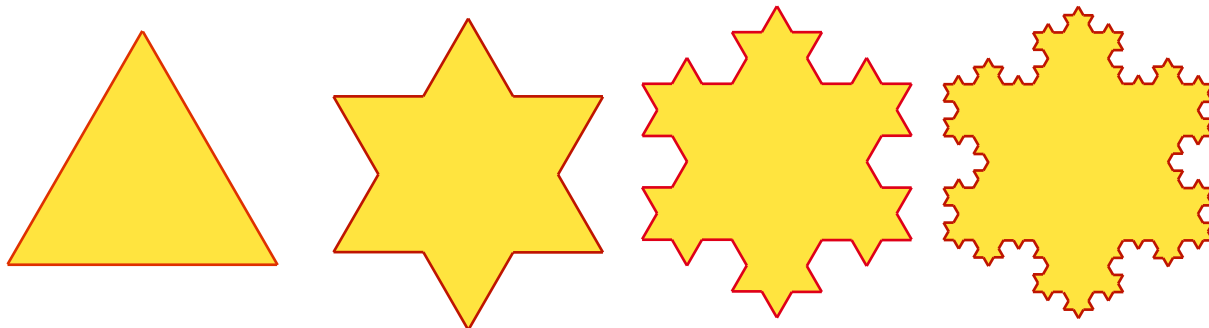
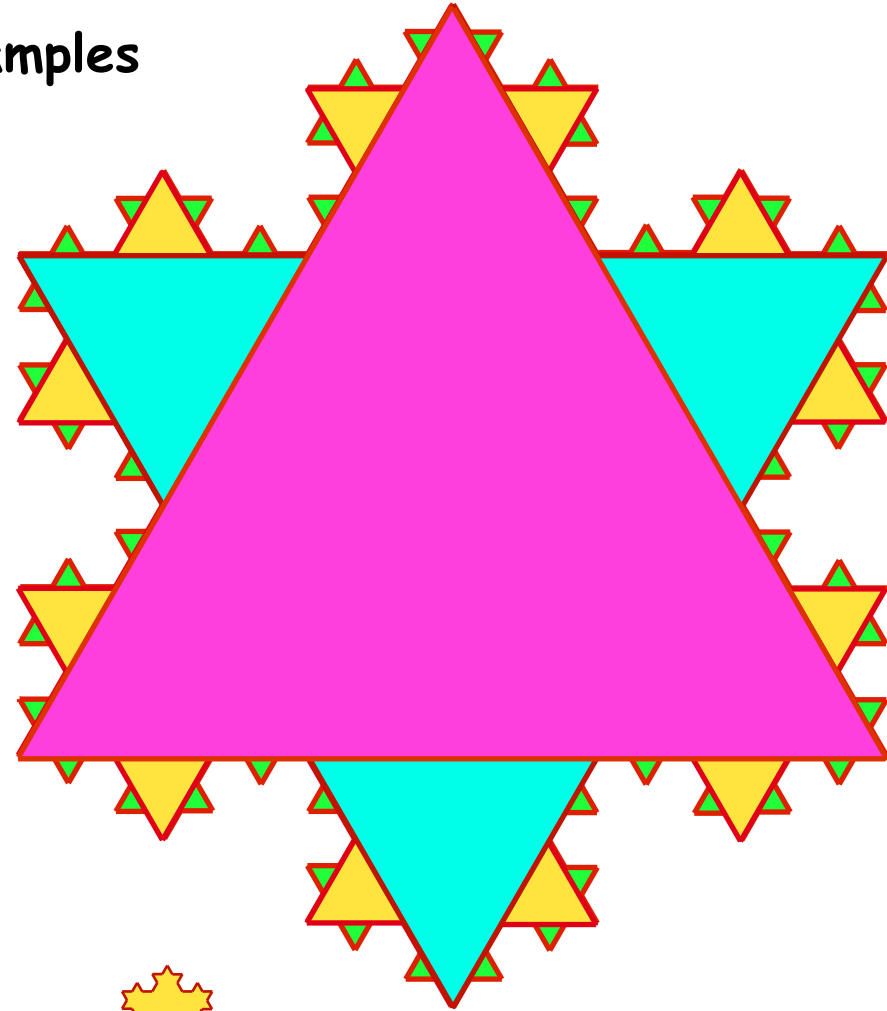
(10) 3 PRACTICAL LOGIC PUZZLES

- Question sheet
- Teacher Answer sheet

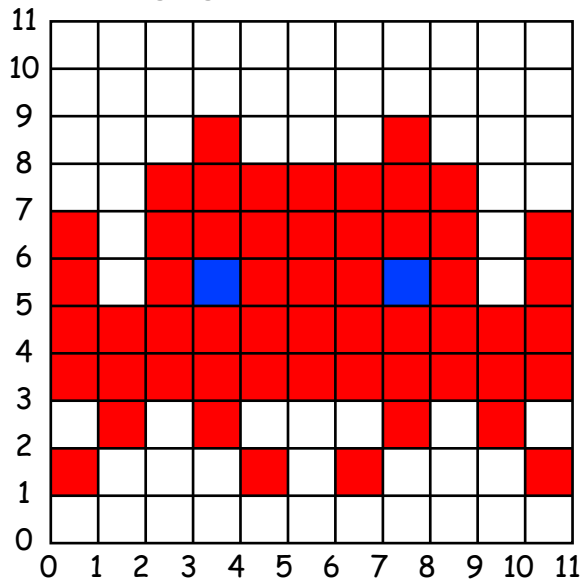


Fractal Snowflake Worksheet Examples

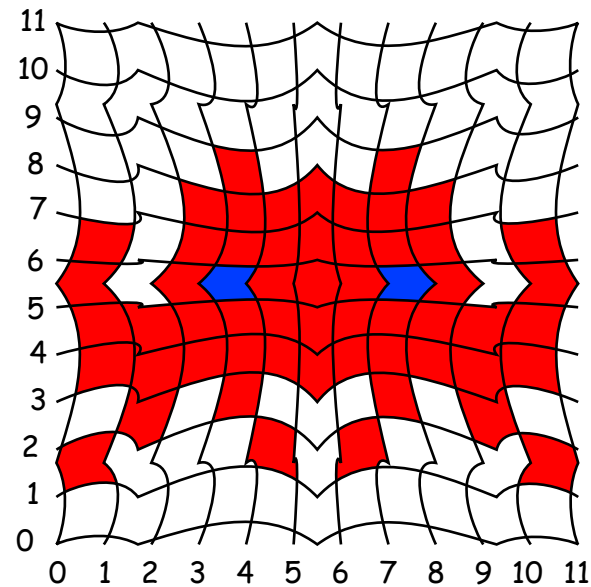
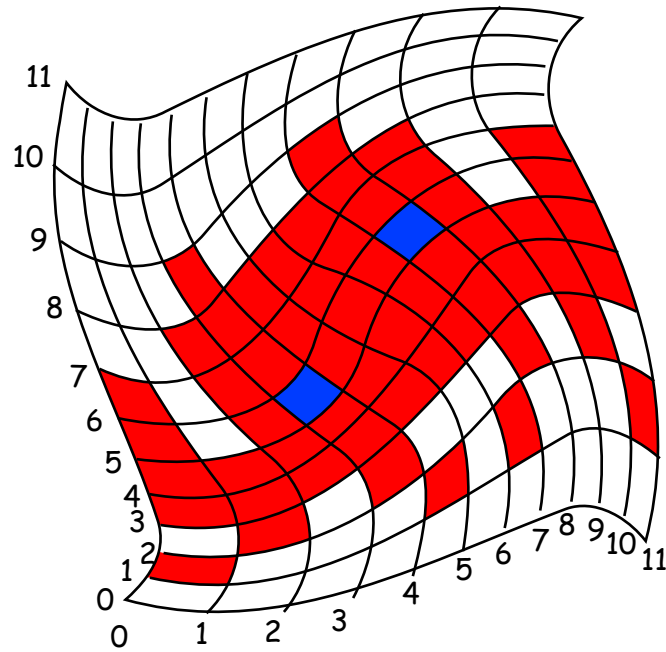
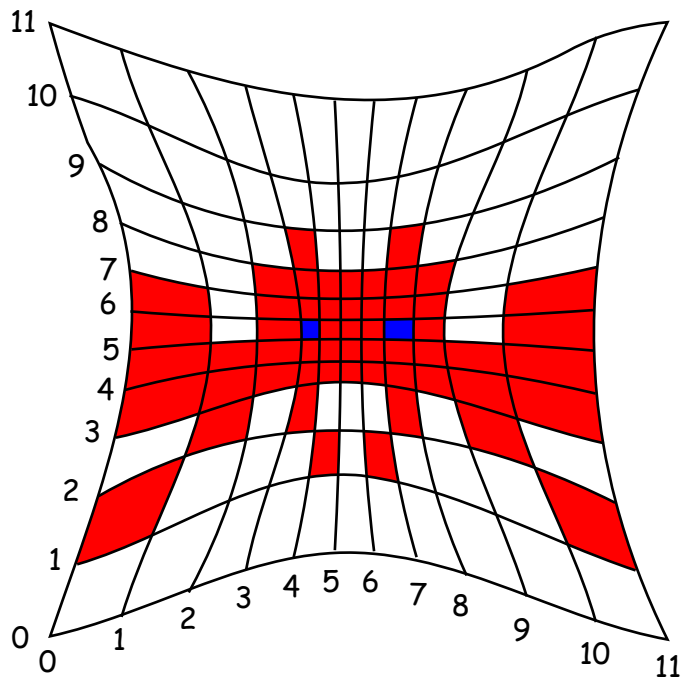
The Fractal Snowflake Fun Maths Worksheet gives full instructions and a photocopy master to draw the following fractals. Just photocopy and hand out! Brilliant for colourful displays and for the end of term! (Only ruler and pencil needed).



Shade in your pixel picture here:
(eg logo, initials or avatar).

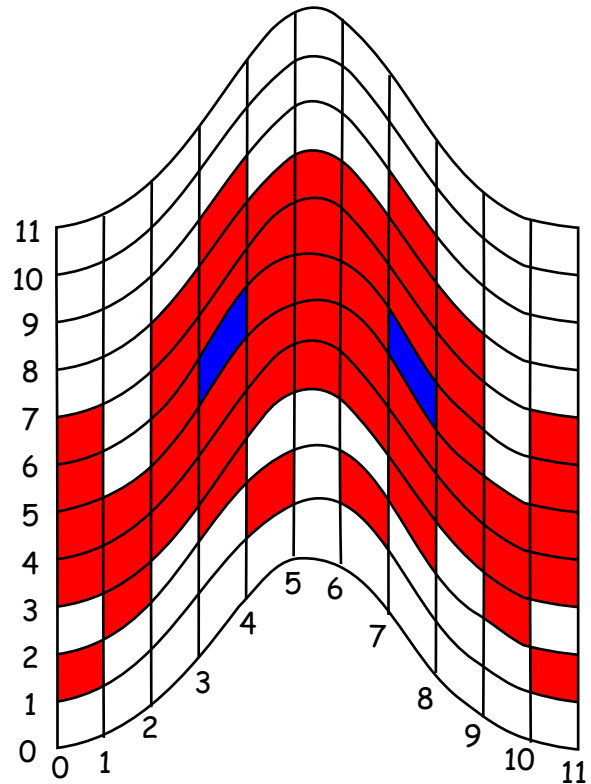
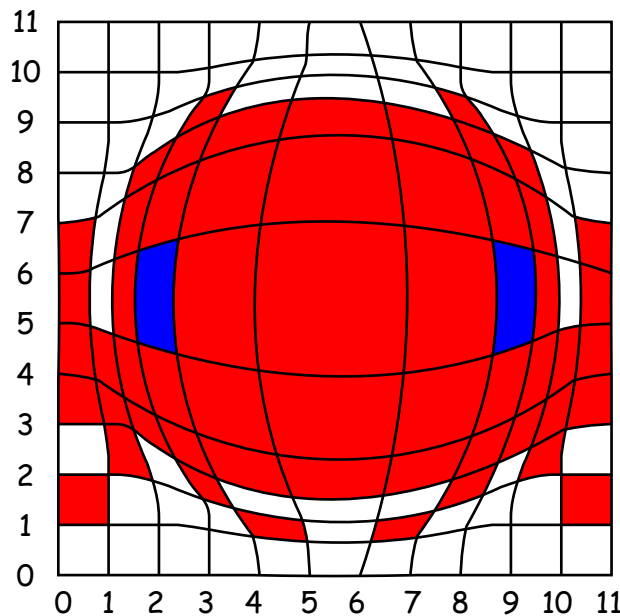


... now transform !

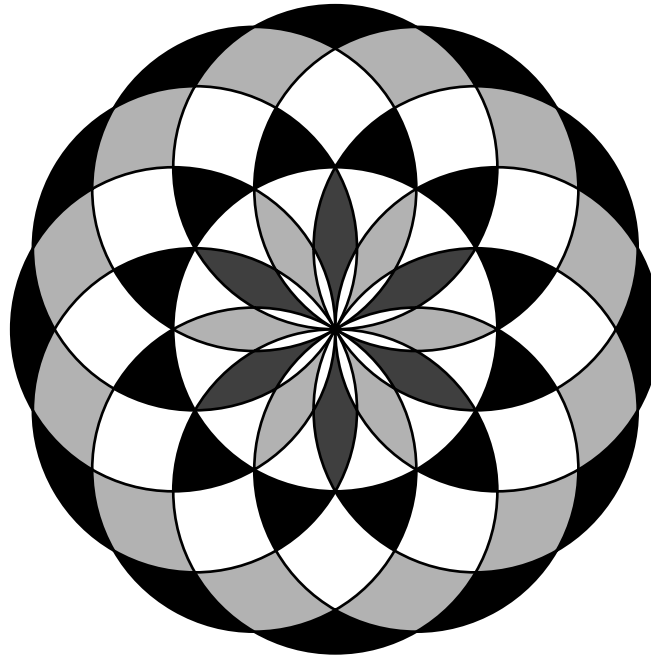
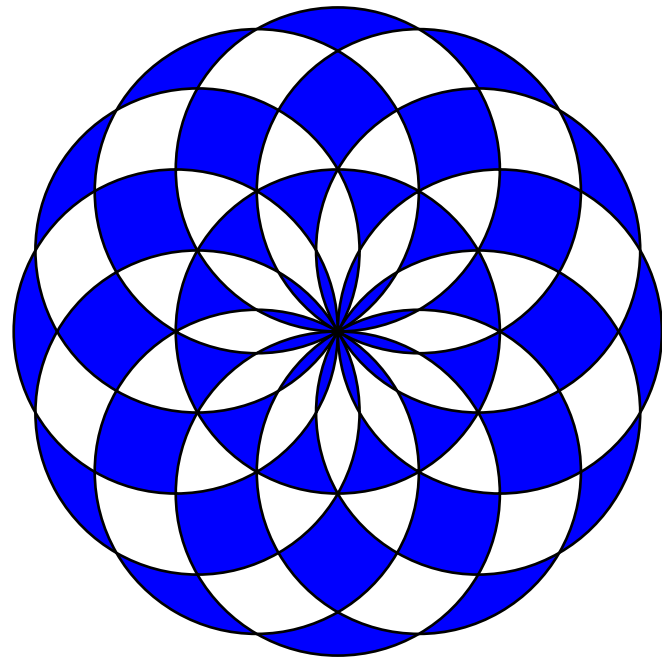


Pixel Distortion 1

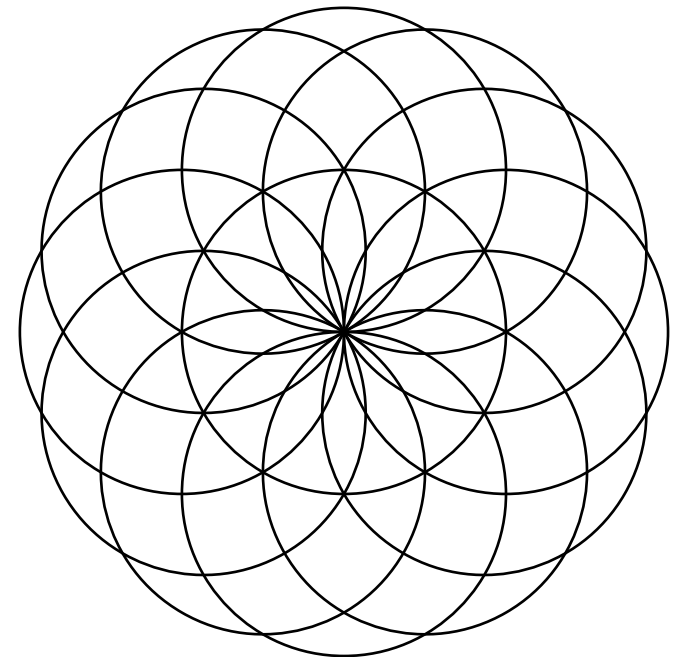
Fun Maths 1 © RevisionCards.co.uk



Circle Patterns



Rose



Can you see how to draw
these Circle Patterns ?

EQUIPMENT:
Ruler, compasses
and protractor

(Full instructions with diagrams given on worksheet)

MAX MAZE

Find the Biggest Total with one line connecting 30 numbers

MAX MAZE 1
 Draw 1 line to connect 30 numbers horizontally & vertically (not diagonally).
 Make the biggest total. Simple, but *addictive!*

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

Fun Maths 1 Total =
 © RevisionCards.co.uk

A line can't cross over itself or go diagonally

MAX MAZE 2
 Draw 1 line to connect 30 numbers horizontally & vertically (not diagonally).
 Make the biggest total. Simple, but *addictive!*

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

Fun Maths 1 Total =
 © RevisionCards.co.uk

This can be changed to 40 or 20, depending on age & ability.

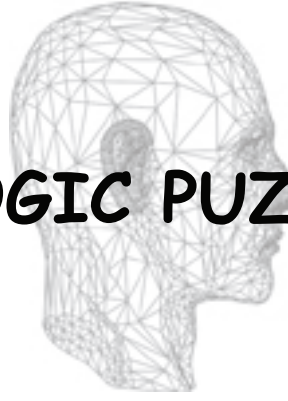
The full **MAX MAZE** worksheet contains 4 grids. **This is a BRILLIANT END OF TERM ACTIVITY !!**

This is an addictive game that pupils enjoy - it can be competitive too! Enjoy the silence - you won't believe it !!

Fantastic for Mental Maths. (Weaker students prefer to find the totals using a calculator).

Students can get another student to check their total before claiming the High Score !

3 LOGIC PUZZLES



If you know **ALREADY** how to do any of these puzzles, then please enjoy watching your friends try and figure them out !!
DON'T TELL THEM HOW TO DO IT !!!

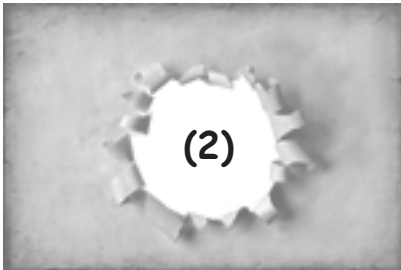
(1)



TIE A KNOT WITHOUT LETTING GO OF THE ENDS!!

Can you tie a knot in a piece of string (or a school tie), without letting go of the ends?!

One person only. **NO** tricks. It **CAN** be done!!



(2)

WALK THROUGH A PIECE OF A4 PAPER!!

Can you make a hole in **ONE** A4 piece of paper that is big enough so you can put it over your head and pass it over your body? (Only scissors & paper allowed).

It **CAN** be done. **NO** tricks! (No glue or sellotape etc).

(3) **7 COINS PUZZLE**



Can you rearrange 7 coins so that you make 2 rows of 4 coins?!