



AGES 11-13 YEARS



# ★ PUZZLE ★ ★ MUDDLE

Puzzles and problems designed to challenge and entertain the student mind.

**WORD  
SEARCHES**

**MYSTERY  
NUMBERS**

**ANAGRAMS**

A mental gymnastic  
experience in language  
and mathematics.

**RHYME  
MAYHEM**

**WORD  
STEPS**

**DETECTIVE  
WORK**

**AND  
MORE...**

TO				
H	O	T		
S	H	O	T	
S	O	U	T	H
S	O	U	G	H

NUMBER PUZZLE					
9	0	4	5	6	
8	8	3	4	7	
1	4	7	9	2	
4	6	8	0	3	
13	17	30	24	14	

BY EDWARD CONNOR



**Title: Puzzle Muddle**

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Printed in Australia

Author: Edward Connor

**Acknowledgements**

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**Published by:**

Ready-Ed Publications  
PO Box 276 Greenwood WA 6024  
[www.readyed.com.au](http://www.readyed.com.au)  
[info@readyed.com.au](mailto:info@readyed.com.au)

**ISBN: 978 1 86397 786 9**

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# TEACHERS' NOTES

The puzzles and problems found in this book are designed for the classroom and consequently they assess English and Mathematic skills, as well as helping to develop students' general knowledge. They challenge students through a series of mental exercises to help them develop into more effective, skilful and critical thinkers. As they endeavour to solve the puzzles and problems, students will need to apply higher-order processes required for creative problem solving, decision making and critical thinking.

Many of the puzzles found in this book suit more able students and fast finishers. They can be given as extension work to students who need challenging beyond their year level or can be issued as extra work to those who finish allocated class work early.

If they wish, students can make their own puzzles and problems based on the ones found in this book. Such endeavours will extend the student's use of creativity in thinking and research skills.

The puzzles and problems are designed to engage the students as they are humorous, topical and clearly set out.

Answers are found at the back of the book to make life easy for the teacher.



## Historical People 1



The twelve historical figures below need to be matched with the years of their births and deaths and their achievements. Write their names in the spaces provided.

**ADOLF HITLER**  
**HENRY FORD**  
**ALBERT EINSTEIN**  
**CHARLES DARWIN**

**LEONARDO DA VINCI**  
**CHRISTOPHER COLUMBUS**  
**LUDWIG BEETHOVEN**  
**ELVIS PRESLEY**

**MARIE CURIE**  
**NAPOLEON BONAPARTE**  
**PABLO PICASSO**  
**HELEN KELLER**

**1**

**1809 - 1882**

Naturalist known as the discoverer of natural selection (evolution).



**2**

**1770-1827**

Developed a completely original style of music, reflecting his sufferings and joys.



**3**

**1863-1947**

Revolutionized automobile production with his assembly line methods.



**4**

**1769-1821**

A supreme military genius who became Emperor of France.



**5**

**1935-1970**

Referred to as "The King of Rock and Roll", or simply "The King".



**6**

**1452-1506**

Historically the first European discoverer of the New World.



**7**

**1881-1973**

Spanish painter and sculptor who was one of the most revolutionary artists in modern history.



**8**

**1879-1955**

His relativity theory revolutionized scientific thought with new conceptions of time, space, mass, motion, and gravitation. ( $E = MC^2$ )



**9**

**1452-1519**

One of the greatest artists and experimental scientist of his age. Known for his painting of the Mona Lisa.



**10**

**1867-1934**

Physicist famous for her investigation of radioactivity, (a term she introduced first), and winner of two Nobel Prizes.



**11**

**1889-1945**

Leader of the National Socialist German Worker's Party (Nazi). Initiated WWII.



**12**

**1880-1968**

Born blind, deaf and mute she taught herself Greek, Latin, French, German and English.





## Inventions 1

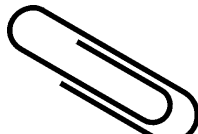


Look at the inventions below and match them with their inventors and the years they were created. Write the invention in the space provided. You may want to use the Internet to help you, but have a guess before you check.

Note: Some inventions were by collaborations but only one of those involved is listed here. Reference: <http://inventors.about.com>



**BAR CODES**



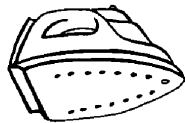
**PAPERCLIP**



**BARBIE DOLL**



**PHOTOCOPIER**



**ELECTRIC IRON**



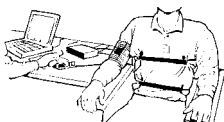
**PIZZA**



**GREEN GARBAGE BAGS**



**VOLLEYBALL**

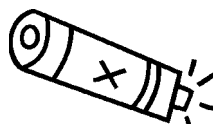


**LIE DETECTOR (POLYGRAPH)**

**WHITE OUT**



**RADIO**



**BATTERY**

1. **1902** Julio Cervera Bavieraj

\_\_\_\_\_

2. **1937** Chester Carlson

\_\_\_\_\_

3. **1899** Johan Vaaler

\_\_\_\_\_

4. **1921** John Larson

\_\_\_\_\_

5. **1952** Joseph Silver

\_\_\_\_\_

6. **1882** Henry Seely

\_\_\_\_\_

7. **1950** Harry Wasylyk

\_\_\_\_\_

8. **1889** Raffaele Esposito

\_\_\_\_\_

9. **1959** Ruth Handler

\_\_\_\_\_

10. **1895** William Morgan

\_\_\_\_\_

11. **1953** Betty Graham

\_\_\_\_\_

12. **1895** Alessandro Volta

\_\_\_\_\_

## Word Steps 2

Add a letter to each word to create a new one. At times the letters may need rearranging. The clues will help you.

WORD STEP A	A	T			

### CLUES

- ← A hot drink
- ← Opposite of west
- ← One of the senses
- ← To have said something

WORD STEP B	I	N			

### CLUES

- ← A sharp object
- ← Hurt
- ← A European country
- ← A twist

WORD STEP C	A	S			

### CLUES

- ← Ocean
- ← To soothe
- ← A stand used by winters
- ← To say something politely

WORD STEP D	A	T			

### CLUES

- ← A feline
- ← What a horse pulls
- ← Holds things
- ← To design (add the letter e)

WORD STEP E	A	N			

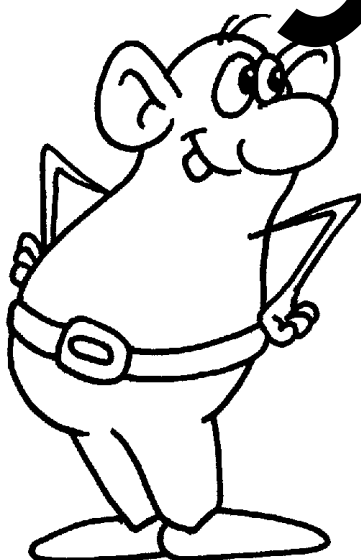
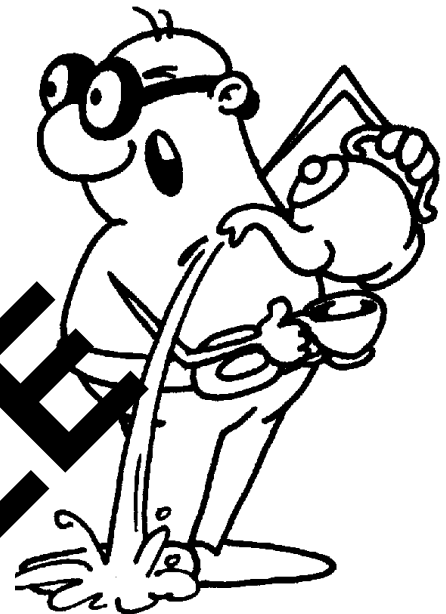
### CLUES

- ← Shade of brown
- ← Little insects
- ← A mark that won't come out
- ← Locomotives

WORD STEP F	I	F			

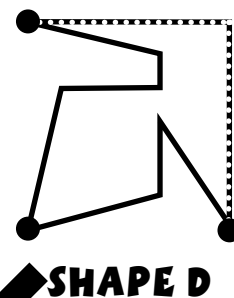
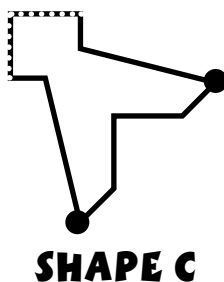
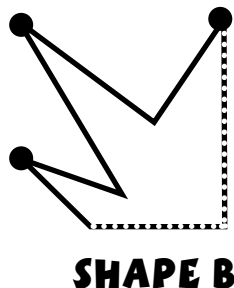
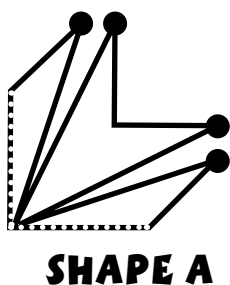
### CLUES

- ← To be in good shape
- ← A present
- ← An altercation
- ← A scare

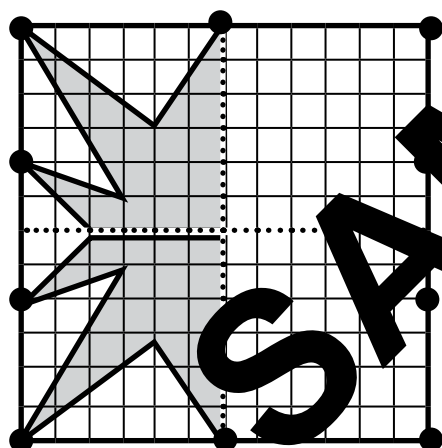


## Create Symmetrical Shapes 2

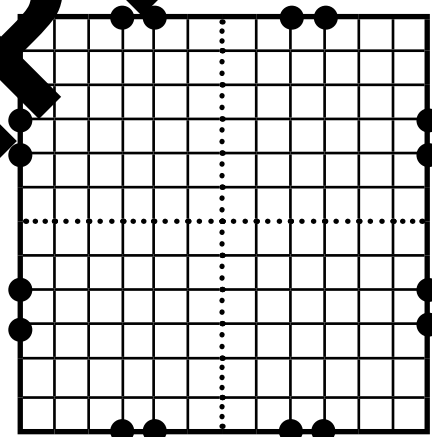
Each of the four shapes below match one of the grids, e.g. *shape B matches grid 1*. Redraw the shape on each quarter of the grid to reveal a new symmetrical shape. You need to flip the shape in each quarter of the grid so that the dots and dotted lines match up.



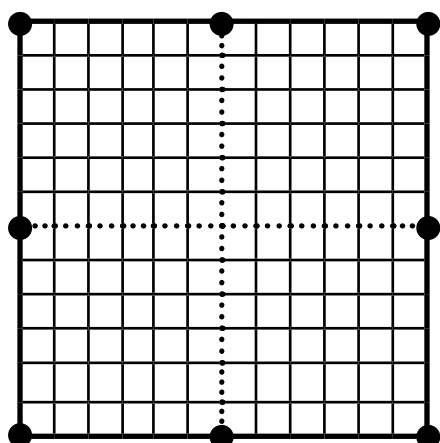
**GRID 1**



**GRID 3**



**GRID 2**



**GRID 4**

