

TABLE OF CONTENTS

| | |
|--|----|
| Introduction | 2 |
| Section 1: Maths Brain Teasers | 3 |
| Section 2: Ancient Civilisations | 15 |
| Section 3: Geography | 29 |
| Section 4: Curricular Mathematics Made Fun | 51 |
| Answers | 63 |

INTRODUCTION

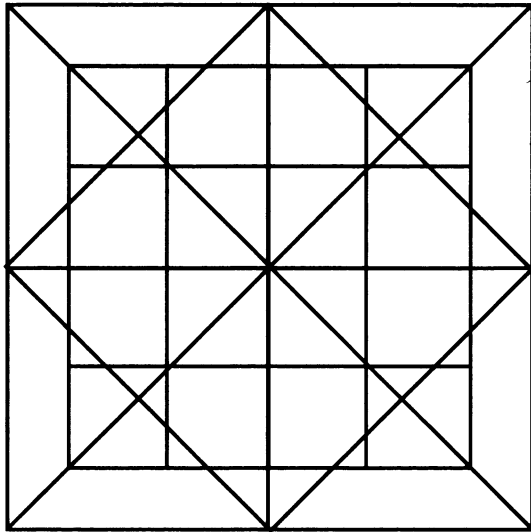
Brain Teasers provides ways to exercise and develop brain power! Each page stands alone and can be used as a quick and easy filler activity. The pages can be distributed to students as individual worksheets or made into transparencies for presentation to the entire class at once. The book is divided into sections so the teacher can find activities related to a subject being taught or to a particular student's needs. The activities are especially useful in helping students develop:

- Logic and other critical thinking skills.
- Creative thinking skills.
- Research skills.
- Spelling skills.
- General vocabulary skills.
- General knowledge skills.

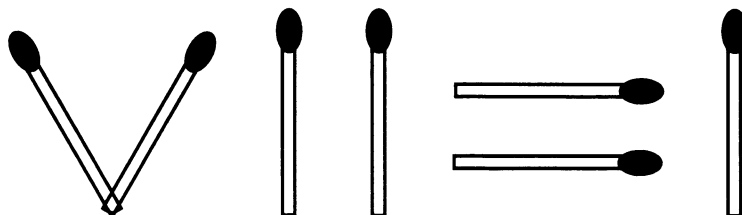
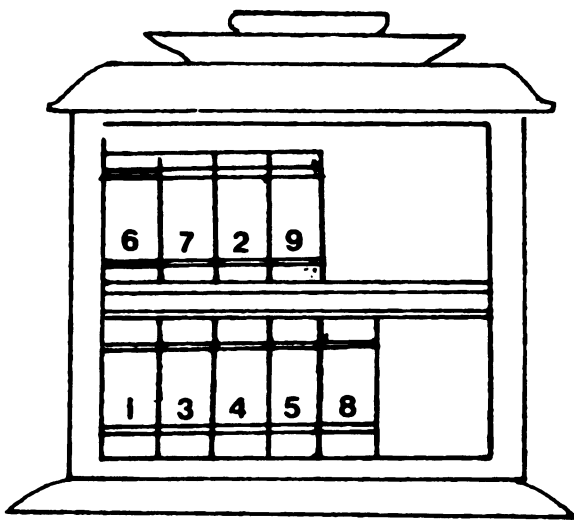
Brain Teasers Book 7 focuses on specific areas of the lower secondary curriculum for Australian schools. As well as being great stand alone activities, Brain Teasers can now be used by teachers of ancient history, study of society, geography and mathematics as pre-and post-test or revision exercises.

SECTION ONE

MATHS BRAIN TEASERS

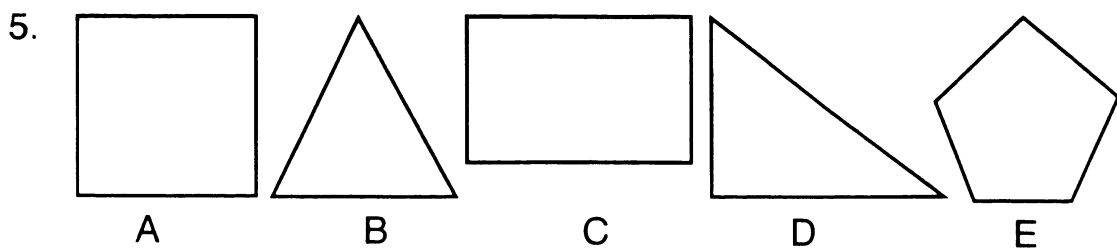
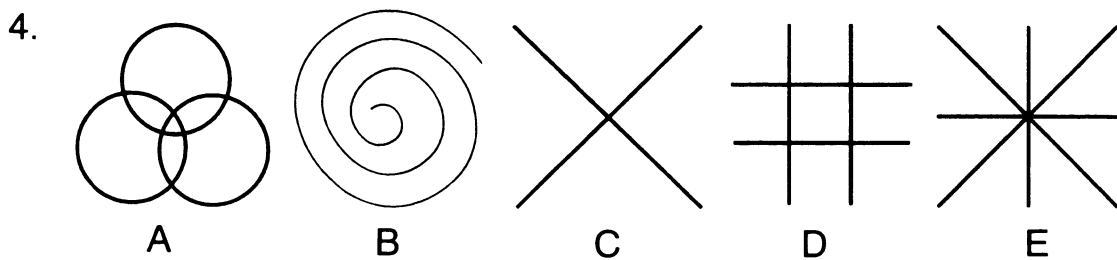
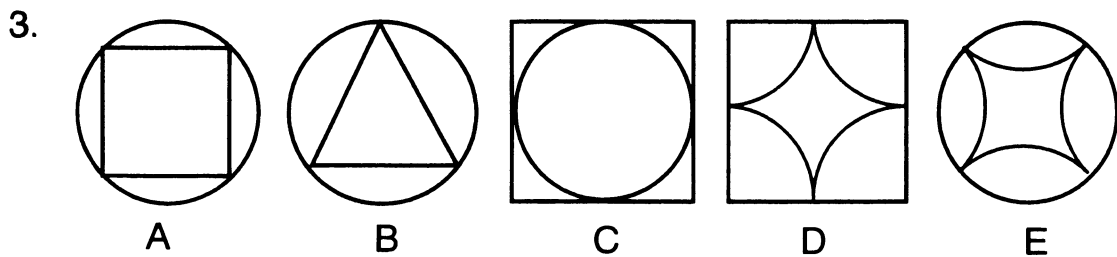
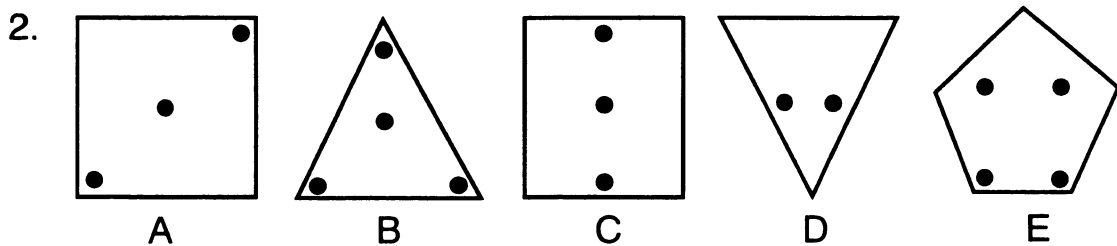
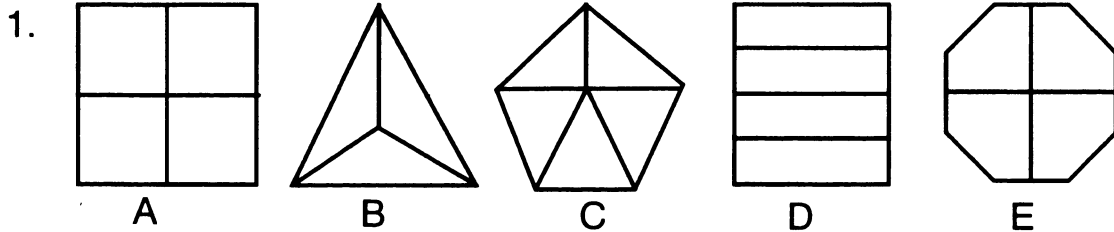


| | | | |
|---|----|----|----|
| | 3 | | 13 |
| 3 | | 11 | |
| | | | |
| 3 | 15 | | |



GO FIGURE

Find the figure which does not belong with the rest in each sequence below. Explain why it does not belong.



CONTRIBUTIONS AND ACHIEVEMENTS

Match the civilisation with its contribution and/or achievement.

Sumerians

Assyrians

Babylonians

Hebrews

Hittites

Phoenicians

- _____ 1. Created the first written public laws, Hammurabi's code, which described the rules and consequences for social behaviour
- _____ 2. Created the first civilisation by establishing an agricultural community in the Mesopotamia region
- _____ 3. Experts in trade and sailing who created travel logs and maps of the ancient world
- _____ 4. Created the first peace treaty
- _____ 5. Developed advanced weapons and strategies, which they used to conquer the ancient world
- _____ 6. First to develop iron weapons
- _____ 7. Built the Hanging Gardens and a magnificent ziggurat
- _____ 8. Developed cuneiform, the earliest form of writing
- _____ 9. First to believe in and spread the concept of one God
- _____ 10. Developed the first irrigation systems, with dikes and canals
- _____ 11. Developed the 60-minute hour to conform to the base-60 maths system of the Sumerians
- _____ 12. wrote the Torah and the Old Testament, the first half of the Bible
- _____ 13. Developed the first alphabet
- _____ 14. Created the first wheeled vehicles for transporting goods and people

MOUNTAINS AND RIVERS OF THE WORLD

Using a globe, maps, and reference books, complete the charts below. For the chart on rivers, you will need to find the longest river on each continent, its length, and the location of its mouth (name of the body of water into which the river empties). For the chart on mountains, you will need to find the tallest mountain, its height, and the country in which it is located.

| Continent | Longest River | Length | Mouth |
|---------------|---------------|--------|-------|
| Africa | _____ | _____ | _____ |
| South America | _____ | _____ | _____ |
| Asia | _____ | _____ | _____ |
| North America | _____ | _____ | _____ |
| Europe | _____ | _____ | _____ |
| Australia | _____ | _____ | _____ |

| Continent | Tallest Mountain | Length | Mouth |
|---------------|------------------|--------|-------|
| Asia | _____ | _____ | _____ |
| South America | _____ | _____ | _____ |
| North America | _____ | _____ | _____ |
| Africa | _____ | _____ | _____ |
| Europe | _____ | _____ | _____ |
| Antarctica | _____ | _____ | _____ |
| Australia | _____ | _____ | _____ |