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# INTRODUCTION

*Geography Brain Teasers* provides the opportunity for the instructor to teach critical thinking, research, and map reading skills in one lesson. Helpful resources to complete the brain teasers include encyclopedias, geographic dictionaries, and maps. The first section is entitled ‘The World’; thereafter, the book is divided into sections corresponding to the six inhabited continents of the world. Each section includes analogies based on geography, science, and history facts.

Here are ideas and tips for teaching students to make analogies:

1. The first step is to learn to read the analogy. An example of an analogy is as follows:

Jakarta: Indonesia:: \_\_\_\_\_:Japan

The analogy is read, Jakarta is to Indonesia as *what* is to Japan?

2. Students who are beginners in solving analogy puzzles may find it helpful to ask a question about the first part of the analogy. For example, what is the relationship between Jakarta and Indonesia?

Students can find the answer by looking at a map of Indonesia or using an encyclopedia to discover that Jakarta is the capital of Indonesia.

3. Students can then apply the relationship of the first two parts of the analogy to the second. In the example provided, the student should realise that he is now looking for the capital of Japan. Using a map or encyclopedia, the student will locate the capital of Japan and will complete the analogy as follows:

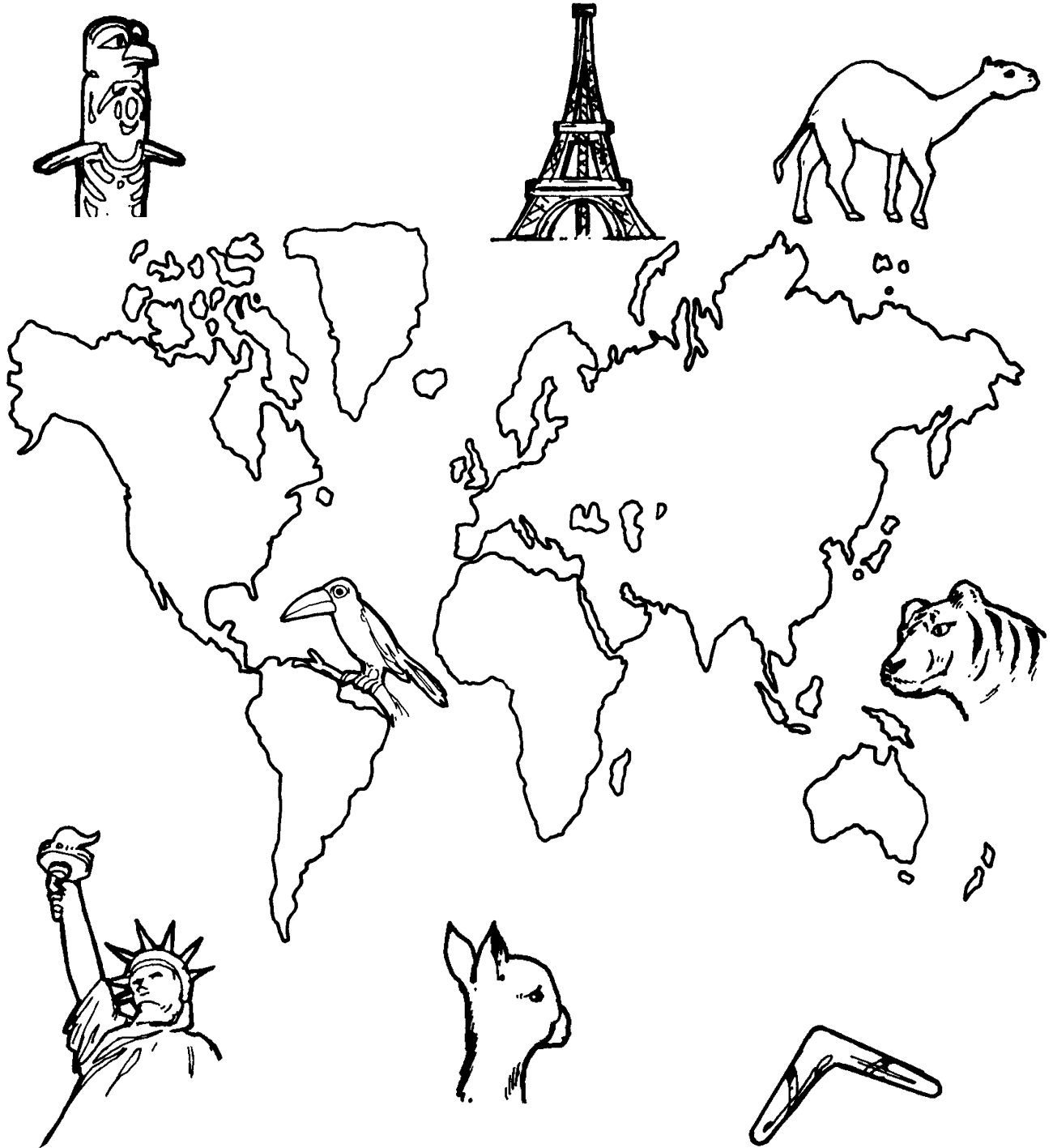
Jakarta:Indonesia::Tokyo:Japan

4. The student may check an analogy by reading it as two sentences. For example, Jakarta is the capital of Indonesia. Tokyo is the capital of Japan. If the sentences are logical, the analogy is probably correct.
5. Additionally, on each page of analogies the student is asked to write an analogy. Students should be encouraged to express original ideas. In the beginning, students may be allowed to write an analogy based on one of the analogies already on the worksheet.

If the student gives an answer which differs from that in the answer key, give credit if the student can show logical reasoning for the answer.

The brainstorming pages are included to allow students to increase fluency. It is recommended that these pages should not be formally assessed. After a brainstorming session, allow students to share their ideas. If a student has recorded an original idea, he or she should place a star in the margin beside it. If other students thought of the same idea, it should be underlined. In this way a student can determine how much of his or her work is original and how much is similar to that of others in the class.

# WORLD MAP







# WHICH ONE DOES NOT BELONG?

Listed below are four geographic areas of the world. In each set, three of them have something in common with each other, while the fourth does not. Circle the area that does not fit and then tell why.

1. Libya, Egypt, Zaire, Turkey

Why? \_\_\_\_\_

2. Madagascar, Cuba, India, Japan

Why? \_\_\_\_\_

3. Alaska, Canada, U.S.A., Mexico

Why? \_\_\_\_\_

4. Pacific, Arctic, Mediterranean, Atlantic

Why? \_\_\_\_\_

5. Algeria, Chad, Turkey, Spain

Why? \_\_\_\_\_

6. Hawaiian, Canary, Marshall, Caroline

Why? \_\_\_\_\_

7. South America, Africa, Australia, Antarctica

Why? \_\_\_\_\_

8. Tasmania, New Zealand, Queensland, New South Wales

Why? \_\_\_\_\_

9. Brazil, Zaire, South Africa, Ecuador

Why? \_\_\_\_\_

10. Somalia, Angola, India, Australia

Why? \_\_\_\_\_

Write your own 'Which one does not belong?'

\_\_\_\_\_

Which one does not belong? \_\_\_\_\_

Why? \_\_\_\_\_



# WORLD GEOGRAPHY SANDWICHES

Sandwiches are made with two pieces of bread and a filling in the middle. In these geography sandwiches, you are given the 'bread' but not the 'filling.' Study a globe or a map of the world to make a proper sandwich.

- 1. North America \_\_\_\_\_ Europe
- 2. Northern Hemisphere \_\_\_\_\_ Southern Hemisphere
- 3. Australia \_\_\_\_\_ New Zealand
- 4. Europe \_\_\_\_\_ Asia
- 5. Africa \_\_\_\_\_ Australia
- 6. North America \_\_\_\_\_ South America
- 7. Eastern Hemisphere \_\_\_\_\_ Western Hemisphere
- 8. Australia \_\_\_\_\_ Antarctica
- 9. Europe \_\_\_\_\_ Africa
- 10. Australia \_\_\_\_\_ South America
- 11. South America \_\_\_\_\_ Africa
- 12. Tropic of Cancer \_\_\_\_\_ Tropic of Capricorn
- 13. Africa \_\_\_\_\_ Asia
- 14. South America \_\_\_\_\_ Antarctica
- 15. Asia \_\_\_\_\_ North America

Make your own sandwich:

\_\_\_\_\_