

# *Phileas Frog's Geographic Geometric Adventure*

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### *Specific Tips for each Continent*

- **Alphabet Asia:** In this activity students use geometric words, such as parallel lines, acute angles, right angles, obtuse angles, perpendicular lines, radius, diameter, vertical symmetry,, and horizontal symmetry to describe capital letters of the alphabet.
- **Expensive Europe:** This activity reinforces angles and currency skills. Students identify angles found in the letters of their name and then based on the type of angle, they calculate the “cost” of their name. If you have time and equipment, it is fun to have the students set up a spreadsheet on the computer to do the calculations.
- **The Figures of Africa:** Polygons are reinforced in the figures of Africa. Using the altered map of Africa, students select ten African countries and the identify the name of the polygon or polygons that make up the figure. To add to the challenge, you can include specific guidelines that require the students to select some of the more difficult countries.
- **South America Symmetry:** To practice the identification of symmetry in different figures, students examine the countries of South America and draw lines of Symmetry for each figure.
- **All About Australia:** The Australian continent presents the problem of acute angels in relationship to time. Students have to decide what time it could be if the hands of their watch form an acute angle.
- **North American Bonus:** The final activity which brings the students “home” and “frees” Phileas Frog is to have students use spaghetti to form as many squares as possible. You can substitute toothpicks for spaghetti quite easily.

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