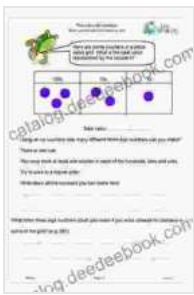


Problem Solving Reasoning Maths Activity For Ages Year

Problem solving is an important skill for students of all ages. It helps them to develop critical thinking skills, logical reasoning skills, and the ability to apply their knowledge to new situations. This activity is designed to help students in Year 1 develop their problem solving skills through a series of challenging maths puzzles.



Problem Solving & Reasoning Maths Activity Book for Ages 8-9 (Year 4) by CGP Books

★★★★☆ 4.5 out of 5

Language : English

File size : 12732 KB

Screen Reader : Supported

Print length : 116 pages



The activity is divided into three sections, each of which focuses on a different aspect of problem solving. The first section focuses on developing students' ability to identify and solve problems. The second section focuses on developing students' ability to reason logically. The third section focuses on developing students' ability to apply their knowledge to new situations.

The activity is designed to be fun and engaging, and it can be used in a variety of settings, including the classroom, the home, and the after-school club. It is also a great way for students to practice their maths skills in a real-world context.

Section 1: Identifying and Solving Problems

The first section of the activity focuses on developing students' ability to identify and solve problems. Students will be presented with a series of word problems, and they will be asked to identify the problem, solve the problem, and explain their solution.

Here are some examples of word problems that can be used in this section:

- There are 5 birds sitting on a branch. 3 more birds fly over and land on the branch. How many birds are there on the branch now?
- A farmer has 12 sheep. He sells 4 sheep to a neighbor. How many sheep does the farmer have now?
- A train leaves the station at 10am and travels for 2 hours. What time does the train arrive at its destination?

Students can work on these problems individually or in small groups. They can use a variety of strategies to solve the problems, such as drawing pictures, using number lines, or writing equations.

Section 2: Reasoning Logically

The second section of the activity focuses on developing students' ability to reason logically. Students will be presented with a series of logical puzzles, and they will be asked to solve the puzzles using their logical reasoning skills.

Here are some examples of logical puzzles that can be used in this section:

- There are three boxes, each of which contains two balls. One box contains two white balls, one box contains two black balls, and one box contains one white ball and one black ball. The boxes are all labeled, but the labels are all wrong. You can only open one box and look at one ball. How can you determine which box contains the two white balls?
- There are three jars, each of which contains a different number of marbles. The first jar contains twice as many marbles as the second jar. The third jar contains three times as many marbles as the second jar. The first jar contains 18 marbles. How many marbles are in the second jar?
- There are three people, each of whom has a different amount of money. The first person has twice as much money as the second person. The third person has three times as much money as the second person. The first person has \$12. How much money does the second person have?

Students can work on these puzzles individually or in small groups. They can use a variety of strategies to solve the puzzles, such as using logical reasoning, trial and error, or guess and check.

Section 3: Applying Knowledge to New Situations

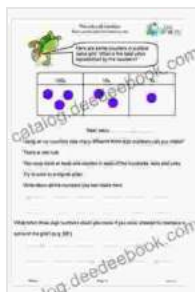
The third section of the activity focuses on developing students' ability to apply their knowledge to new situations. Students will be presented with a series of real-world problems, and they will be asked to apply their maths skills to solve the problems.

Here are some examples of real-world problems that can be used in this section:

- You are going to the grocery store to buy some fruit. You have \$10 to spend. Apples cost \$1 each, oranges cost \$2 each, and bananas cost \$3 each. How many of each fruit can you buy?
- You are planning a birthday party for your friend. You want to buy a cake, some ice cream, and some drinks. The cake costs \$15, the ice cream costs \$10, and the drinks cost \$5 each. How much will it cost to have the party?
- You are going on a road trip. You are driving 300 miles. Your car gets 25 miles per gallon of gas. How many gallons of gas will you need for the trip?

Students can work on these problems individually or in small groups. They can use a variety of strategies to solve the problems, such as using their maths skills, logical reasoning, and real-world knowledge.

This activity is a great way for students in Year 1 to develop their problem solving skills. The activity is divided into three sections, each of which focuses on a different aspect of problem solving. The activity is designed to be fun and engaging, and it can be used in a variety of settings.



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