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Code: #CA-9182

ISBN 1 74025 941 6

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## For the Student



**Figure it out** teaches you how to solve problems. In each lesson, you will learn a different way to solve problems. There are six problems in each lesson. Your teacher will ask you questions to help you think about the problems. You may do some problems from each lesson on your own. These problems give you practice using a way to solve problems. Your teacher will give you ideas to help you solve the problems.

When you finish **Figure it out**, you will have learned five different ways to solve maths problems. Some of the things you learn will help you in school and in your everyday life.

### When you Use this Booklet

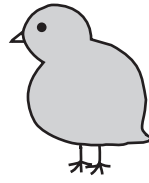
- Your teacher will read each problem to you.  
You should read the problem to yourself, too.
- Your teacher will ask you questions when you work on the problems. Think about these questions. They will help you understand the problem. They can also help you find the answers to the problems.
- To work out the problems, you can write anywhere in **Figure it out**. Try to write on the page that has the problem you are doing.
- Check your answers after you solve a problem.  
Be sure your answers make sense.
- Write the answers to problems in the spaces marked **Answer**.

**Figure it out** was prepared for students by Sandra R. Cohen.

## Act it out



1. 1 bird has 2 legs.  
2 birds have 4 legs.

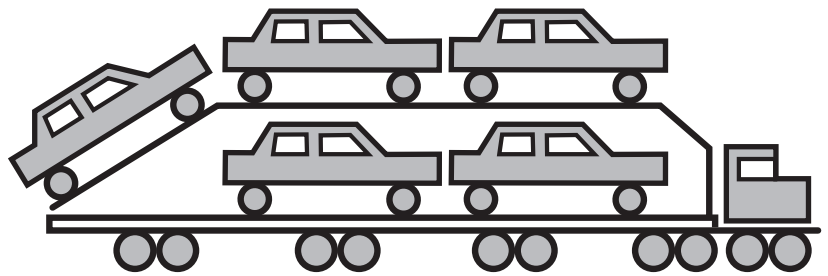


16 legs

How many birds?

**Answer:**

2. 1 truck holds 5 cars.



15 cars

How many trucks do we need?

**Answer:**

4. Write 1 through 40.

How many times did you write the digit 2?

Guess first. Then write the numbers.

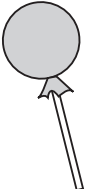
**Guess:** \_\_\_\_\_ times


**Answer:** \_\_\_\_\_ times

5.  +  = 20¢

 +  +  = 15¢

**Answer:**

 costs \_\_\_\_\_ ¢.

 costs \_\_\_\_\_ ¢.

# Look at Patterns



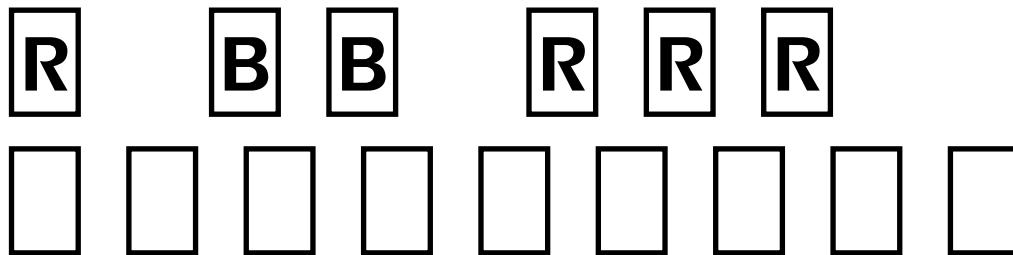
1. Look at the rectangles.

Colour the first row.

Find a pattern.

Colour the other row of rectangles to continue the pattern.

**Answer:**



R = Red

B = Blue

2.

Row A	1	3	5	7	9	11	13	15	17	19	21	23	25
Row B	2	4	6	8	10	12	14	16	18	20	22	24	26

Look at the numbers in row A.

Look at the numbers in row B.

Will 33 be in row A or row B?

**Answer:**