

Reflecting

- A. Why was making an organized list a good strategy for Mai to use?

Reading Strategy

Identifying Important Information

What are you asked to find out? What information is important to solve the problem?

Checking

1. Solve the following problem. Show your work.

Sage is sewing metal cones onto another jingle dress. The number of cones is between 50 and 100, and is a multiple of 7. The cones can be arranged in 4 equal rows with no cones left over. The number of cones can be arranged in 6 different arrays. How many cones does Sage have?

Practising

2. Nia has photos to display. The number of photos is between 20 and 50, and is prime. If you add one more photo, the number of photos is a multiple of 8. If you add two more photos, the number of photos is a multiple of 7. How many photos does Nia have?
3. What is the first multiple of 6 that has 7 as a factor? Show your work.
4. Barrett's hockey cards can be arranged in 3 equal rows or 5 equal rows. He has between 60 and 80 cards. How many cards are in his collection?
5. Two whole numbers have a sum of 100. Both numbers are multiples of 5. 10 is not a factor of either number. What two numbers are possible?
6. Natalie and Gwen spin the spinner twice to form a two-digit number. Natalie scores a point if the number is an even multiple of 7. Gwen scores a point if the number is an odd multiple of 9. Who has more ways to score a point? Explain your reasoning.
7. Make up a problem that can be solved by using an organized list. Each of these numbers is a possible solution: 42 45 48

