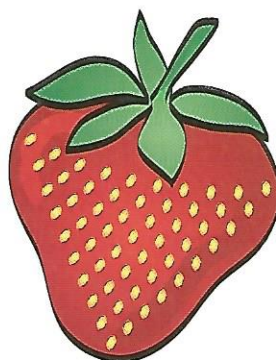## Reflecting

1. How can you check that there are 27 seeds?

2. Explain why finding a pattern is a good strategy for solving the problem.

3. a) How do you know that the number of seeds is the sum $2 + 3 + 4 + 5 + 6 + 7$?
   b) How did Jose pair the numbers in part a) to add?
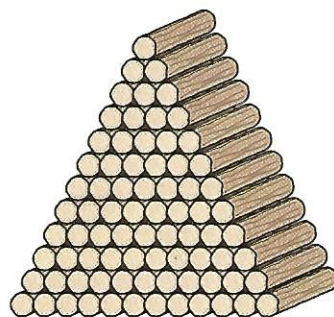   c) How could you predict there would be three pairs?

Checking

4. a) Pair the top and bottom rows of this strawberry. How many seeds are in these rows combined?
   b) How many rows are there altogether?
   c) How many pairs of rows have the same sum?
   d) How many seeds are there altogether? Write a number sentence to show your work.

5. How can you use a pattern to add $20 + 30 + 40 + 50 + 60 + 70 + 80$?

Practising

6. Ian is piling up firewood.
   a) Make a plan that uses a pattern to determine the number of logs in the pile.
   b) Use your plan to determine the number of logs in the pile.
   c) How many logs will there be in a similar pile that has 30 logs in the bottom row? How do you know?

7. Use a pattern to add.
   a) $1 + 2 + 3 + 4 + 5 + 6 + \ldots + 18 + 19 + 20$
   b) $1 + 2 + 3 + 4 + 5 + 6 + \ldots + 98 + 99 + 100$

8. Determine the total on the dice. Show your work.

See if it jives, adding is fast if you count by fives.
Tricky to do? That depends.
It's even faster if you count by tens.