

Problem Bank

- 1** 1. About how many individual boxes of raisins would you need to eat to get to one million raisins?
2. Do you think you have ever read a book with one million words? About how many pages would a book with one million words be?
- 2** 3. About how many minutes old were you on your second birthday? Write your answer in the words you would say to read it.
4. Qi is reading a number. Some of the words he said to read it are shown; he might say other words as well. List six possible numbers he might have been reading.
- 3** 5. How many numbers from 100 000 to 112 000 contain at least one zero?
6. What is the greatest six-digit even number that matches these clues?
- The ten thousands digit is twice the tens digit.
 - The hundred thousands digit is more than six.
 - The thousands digit is divisible by the ones digit.
 - No digit is used more than once.
- 5** 7. Rachael types 85 words each minute. She has typed 1 000 000 words. If she types for 6 hours each day, for about how many days has she typed? Explain the steps you used to solve this problem.
- 6** 8. Write each of these measurements using whole numbers of units.
- a) 2.134 m b) 123.25 km c) 1.415 L
- 7** 9. When you round a certain decimal less than one to the nearest tenth, it increases by 37 thousandths. What do you know about the decimal?
- 8** 10. Show six ways to use each of the digits from 0 to 4 to make this inequality true.



$$0.\square\square > 0.\square\square\square$$