

# 6-digit counting and rounding (I)

- Count forwards and backwards in steps of 10, 100 and 1000
- Round any number up to 1 000 000 to the nearest 10, 100 and 1000



enge

1 For each number on the number cards, count on or back in the steps given below. Include ten numbers in each number sequence.

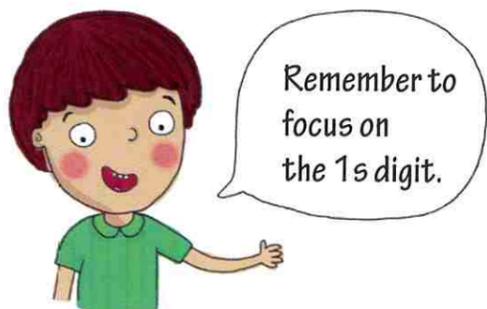


- a Count on in 10s.                      b Count back in 10s.  
 c Count on in 100s.                      d Count back in 100s.

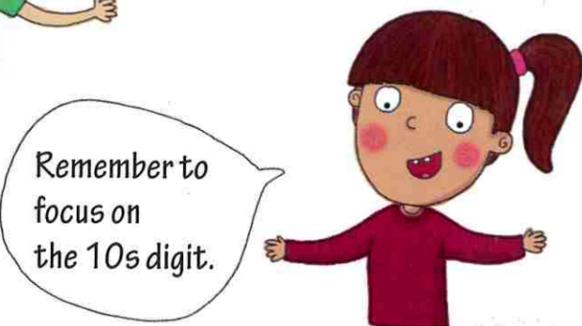
2 For each number on the number cards, round up or down to the amounts given below.



a Round to the nearest 10.

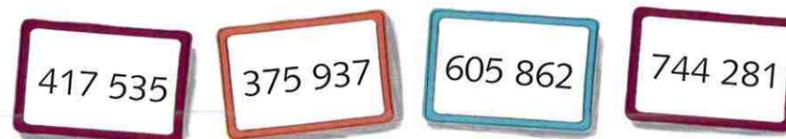


b Round to the nearest 100.



## Challenge 2

1 For each number on the number cards, count on or back in the steps given below. Include ten numbers in each number sequence.



- a Count back in 10s.                      b Count on in 100s.  
 c Count on in 1000s.                      d Count back in 1000s.

2 Write the two multiples of 10 that each number below comes between on either side of the number. Circle the multiple of 10 that the number rounds to.



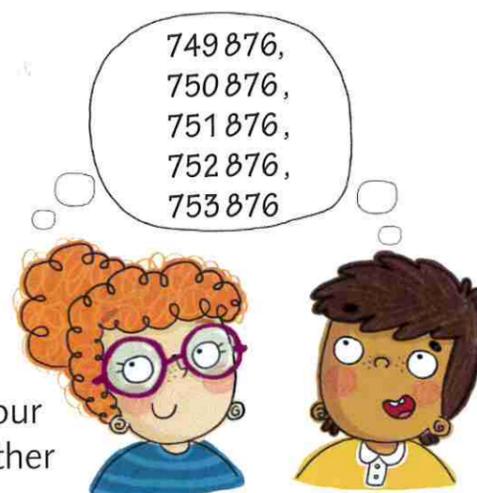
- 3 Using the numbers in Question 2, write the two multiples of 100 that each number comes between on either side of the number. Circle the multiple of 100 that the number rounds to.  
 4 Using the numbers in Question 2, write the two multiples of 1000 that each number comes between on either side of the number. Circle the multiple of 1000 that the number rounds to.

## Challenge 3

1 Explain which digits change when counting on and back in 1000s from any 6-digit number.

2 Play this game with a partner.

- One player should choose a 6-digit start number.
- In your heads, both count on in 1000s five times.
- Write down the number you get to. Do you and your partner have the same number? If not, count together out loud to find the right answer.
- Do this ten times, taking turns to choose the start number.



Repeat the steps above, this time counting back in 1000s.

