Written numbers

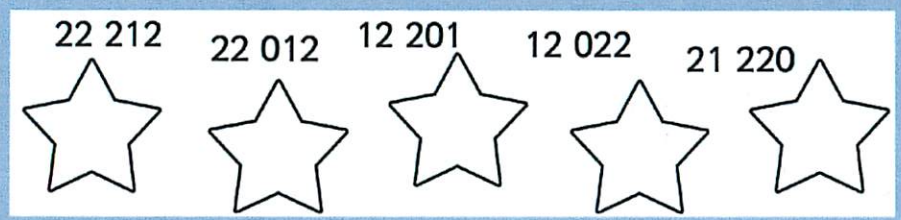
Write these numbers in words.

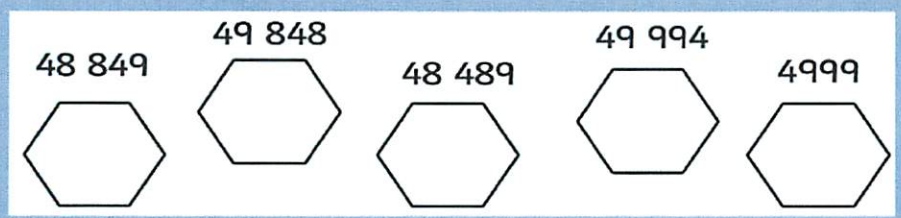
E.g. 263,442 = Two hundred and sixty-three thousand, four hundred and forty-three

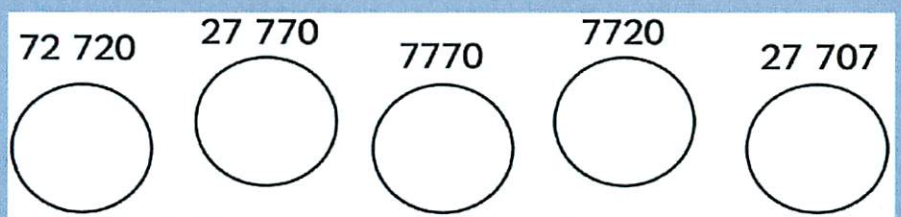
516, 283	10,000,000	7,112,098
787,865	8,589,130	2,245,590
3,883,091	1,645,099	9,390,519
7,060,696	9,840,781	1,101,010
	5,709,118	

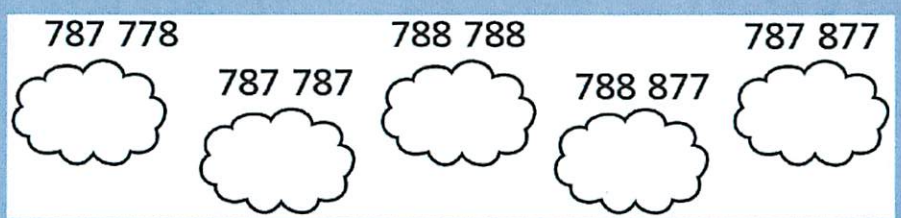
Ordering Numbers

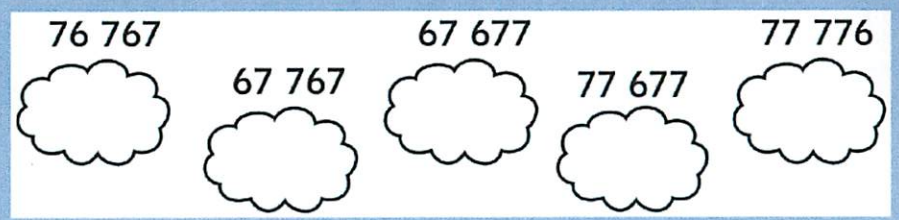
Order the numbers from smallest to highest.

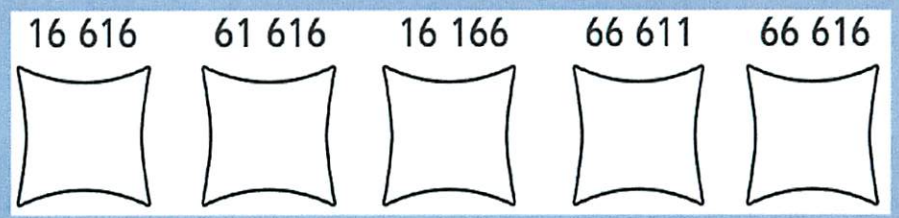


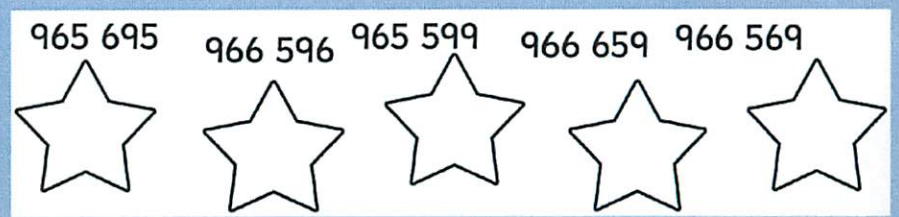


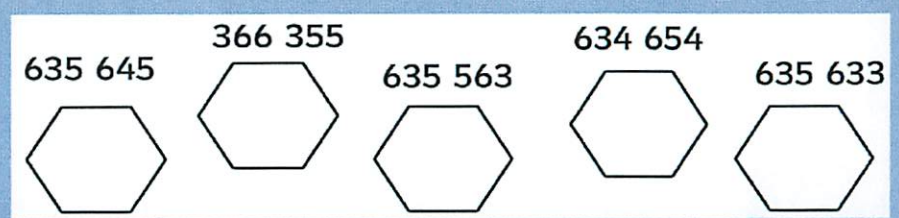






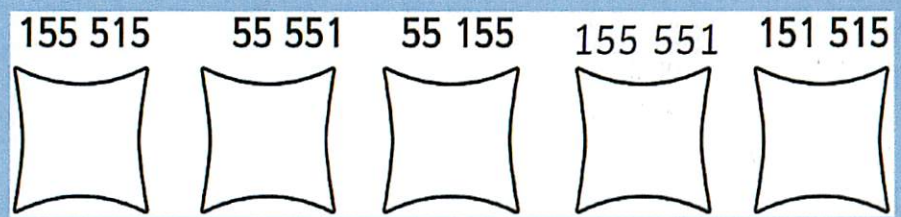


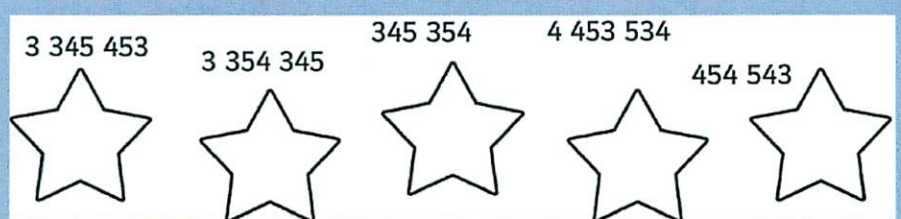


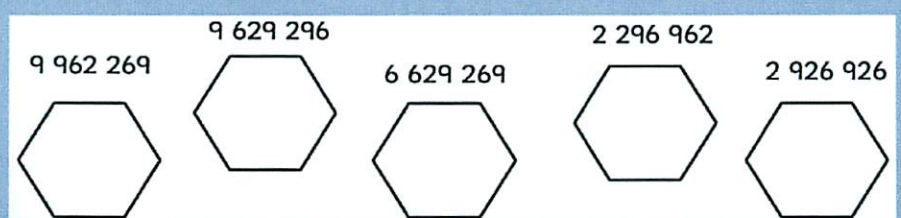


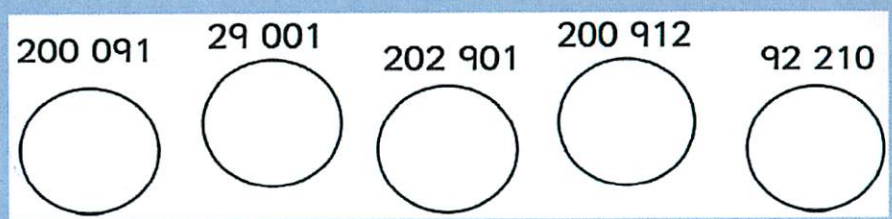
Ordering Numbers

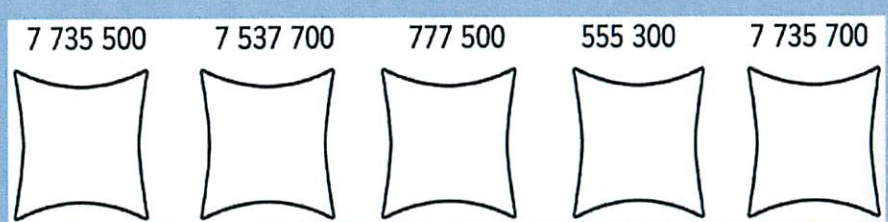
Order the numbers from smallest to highest.

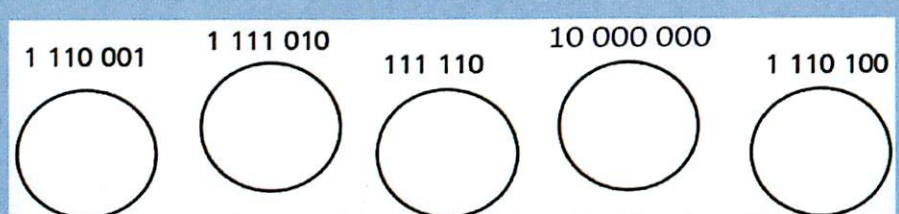












Riddles

Solve the riddles to work out the number.

What is the number? ★

- The number has three digits.
- The ones digit is double 4.
- The hundreds digit is an even number bigger than 5 but smaller than 7.
- The tens digit is half the ones digit.

What is the number? ★

- The number has three digits.
- The tens digit is less than 1.
- The ones digit is the number of sides of a triangle.
- The hundreds digit is the same as 10 – 3.

What is the number? ★

- The number has three digits.
- The ones digit is an odd number bigger than 7.
- The tens digit is 5 less than 6.
- The hundreds digit is the same as the tens.

What is the number? ★

- The number has four digits.
- The thousands digit is the number of days in a week.
- The ones digit is half of 12.
- The tens digit is the number of wheels on a bicycle.
- The hundreds digit is 2 less than the ones digit.

Riddles

Solve the riddles to work out the number.

What is the number? ★★

- The number has four digits.
- It is smaller than 6000 but bigger than 5000.
- The hundreds digit is smaller than 6 but bigger than 4.
- The tens digit is an odd number smaller than 7 but bigger than 3.
- The ones digit is in the 3 times table and is bigger than 6 but smaller than 10.

What is the number? ★★

- The number has three digits.
- The ones digit is 82 less than 91.
- The hundreds digit is an odd number which is bigger than 1 but smaller than 4.
- The tens digit is the same as 6 + 3.

What is the number? ★★

- The number has five digits.
- The ten thousands digit is the same as the hundreds digit, and it is an odd number which can be divided by 3 to make 3.
- The thousands digit is bigger than 8.
- The ones digit is half the number of months in a year.
- The tens digit is smaller than 1.

What is the number? ★★

- The number has five digits.
- The thousands digit is number of fingers on one hand.
- The tens digit is the number of days in a week.
- The ones digit is half of 14.
- The hundreds digit is the first number you dial when you need to call a fire engine, an ambulance or the police.
- The ten thousands digit is 2 + 4 + 2 - 7.

Riddles

Solve the riddles to work out the number.

What is the number? ★★★

- The number has five digits.
- The ones digit is $\frac{1}{4}$ of 32.
- The hundreds is the number of sides in a hexagon.
- The tens digit is an even number that is multiple of 2 and of 4 that is less than 6.
- The ten thousands digit is the smallest possible odd number.
- The thousands digit is the same as 36 ÷ 12.

What is the number? ★★★

- The number has five digits.
- The ten thousands digit is 2^2.
- The hundreds digit is the number of sides in an octagon.
- The ones digit is 2 less than the tens digit.
- The thousands digit is the only even prime number.
- The tens digit is the same as the hundreds digit.

What is the number? ★★★

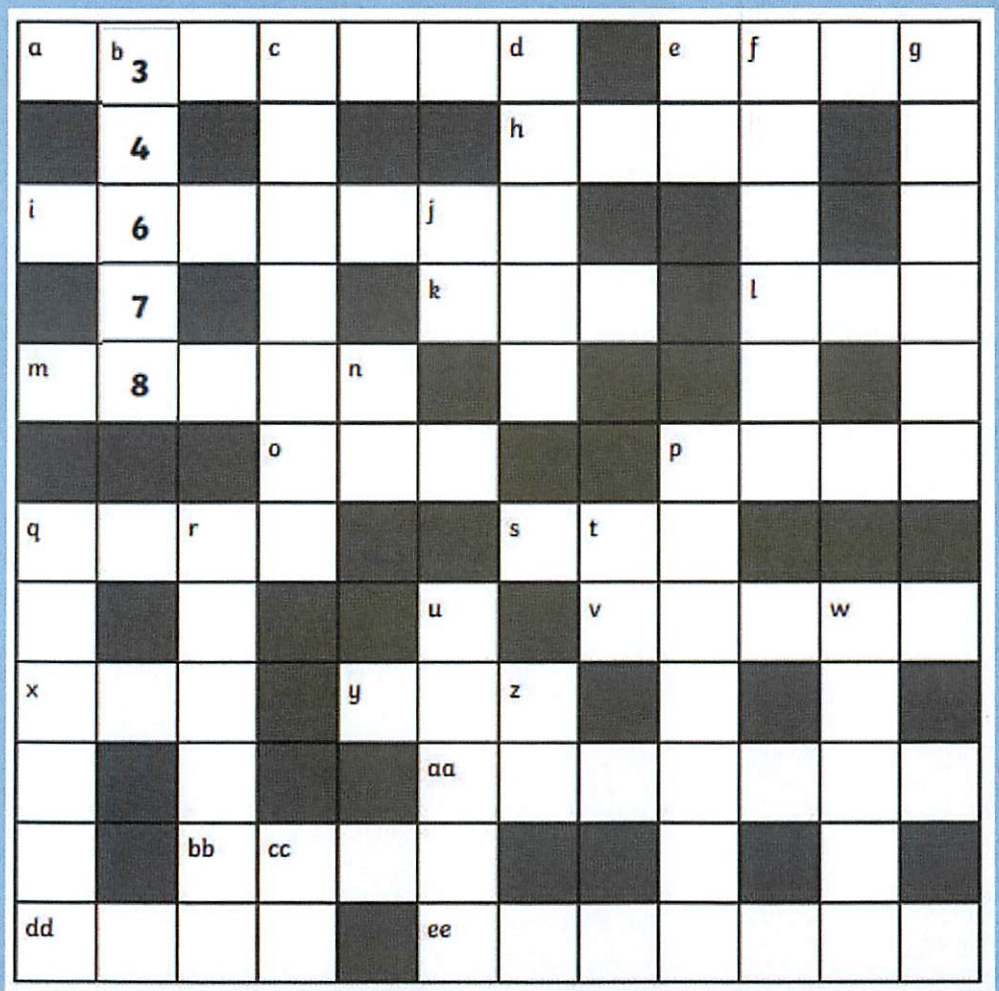
- The number has six digits.
- The tens digit is 3^2.
- The thousands digit is the number of people in a trio.
- The hundreds digit is the square root of 4.
- The ones digit is the number of wheels in a unicycle.
- The hundred thousands digit is $\frac{1}{3}$ of 21. Please write this in fraction form.
- The ten thousands digit has no value.

What is the number? ★★★

- The number has six digits.
- The ten thousands digit is $\frac{1}{4}$ of the thousands digit.
- The ones digit is a multiple of both 3 and 9 but less than 18.
- The hundreds digit is the same as 146 – 139.
- The thousands digit is 4 less than a dozen.
- The tens digit is the same as $\frac{1}{3}$ of the number of months in a year.
- The hundred thousands is the cube root of 1.

Crossnumber

Solve the place value questions to complete the crossnumber. One has been done for you.



Across

a. 1 000 000 + 300 000 + 40 000 + 2000 + 700 + 50 + 6

e. 5000 + 100 + 80 + 4

h. 3000 + 600 + 80 + 7

i. 1 000 000 + 600 000 + 50 000 + 4000 + 800 + 20 + 6

k. 800 + 50 + 7

l. 600 + 6

m. 80 000 + 8000 + 100 + 20 + 2

o. 300 + 60 + 7

p. 1000 + 800 + 20 + 1

q. 3000 + 40 + 5

s. 400 + 60 + 1

v. 70 000 + 6000 + 500 + 30 + 9

x. 900 + 50 + 7

y. 500 + 70 + 9

aa. 1 000 000 + 500 000 + 400 + 30 + 6

bb. 5000 + 300

dd. 9000 + 40 + 5

ee. 1 000 000 + 900 000 + 70 000 + 5000 + 50 + 3

Down

b. 30 000 + 4000 + 600 + 70 + 8

c. 2 000 000 + 400 000 + 40 000 + 9000 + 200 + 30 + 5

d. 60 000 + 3000 + 600 + 50 + 4

e. 50 + 8

f. 100 000 + 70 000 + 5000 +600 + 8

g. 400 000 + 50 000 + 5000 + 600 + 10 + 1

j. 20 + 8

n. 20 + 6

p. 1 000 000 + 100 000 + 60 000 + 5000 + 90 + 5

q. 300 000 + 9000 + 60 + 9

r. 400 000 + 60 000 + 7000 + 800 + 50 + 4

t. 60 + 7

u. 60 000 + 7000 + 100 + 1

w. 30 000 + 1000 + 300 + 20 + 5

z. 90 + 5

cc. 30 + 5

Negative Numbers

Look at the table below and the difference required between each number and the new number. Find the appropriate answer and join with a line. One has been done for you.

Start	+5	-17	+22	-31	+26
6	-5	-22	0	-15	22
17	11	-4	7	-24	-5
-10	22	-15	16	-13	11
8	2	5	27	-31	2
-3	13	-6	18	-4	13

Negative Numbers and Temperature

1. Put these temperatures in order, the coldest first.

   a. 2°C, -8°C, -1°C, -6°C, -4°C

   _____

   b. 6°C, 10°C, -15°C, -11°C, 14°C

   _____

   c. 16°C, 18°C, -23°C, -25°C, -13°C, 12°C, 20°C

   _____

2. Which of these temperatures is lowest?

   a. -4°C or -2°C

   _____

   b. -8°C or 8°C

   _____

   c. -16°C or -17°C

   _____

   d. -5°C or -6°C

   _____

Negative Numbers and Temperature

3. Answer the questions below:

   a. The temperature rises by 15 degrees from -4°C. What is the new temperature?

   _____

   b. The temperature falls from 11°C to -2°C. How many degrees does the temperature fall?

   _____

   c. The temperature is 6°C. It falls by 8 degrees. What is the temperature now?

   _____

   d. The temperature is -3°C. How much must it rise to reach 5°C?

   _____

   e. What is the difference in temperature between -4°C and 14°C?

   _____

   f. The temperature was -5°C. It falls by 6 degrees. What is the temperature now?

   _____

   g. The temperature is -11°C. It rises by 2 degrees. What is the temperature now?

   _____

Negative Numbers and Money

1. Hassan had £45 in the bank and then bought a football kit for £67. By how much was he overdrawn?
2. What would my overdraft be if I spent £267 on a holiday but I only had £135 in the bank?
3. Magda's mum said she could spend £90 for her birthday. She bought a pair of roller skates for £59 and a pair of shoes for £43. How much did she owe her mum?
4. Mr. and Mrs Dennis had £325 in their bank account. At the beginning of the month they had to pay their regular bills. Their telephone bill was £96, their gas bill was £146 and their electricity bill was £129. How much did they have to pay into their account to pay off their overdraft?

Negative Number Problems

1) Complete these calculations.

a) What is 7 less than -2?

b) -5 +11 =

c) What is 12 taken from 5 =

d) Add 8 to -9 =

e) -10 +14 =

2) Solve these money problems.

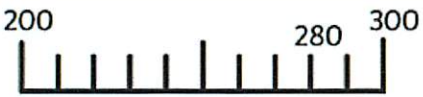
I have a -£17 balance in my bank account. I put £15 into my account. What is my new balance?
My bank account has £35 in it. I spend £49. What is my new bank account balance?
I spend £35 on a new bike. The balance in my bank account is now -£18. How much money did I have in my account before I bought the bike?

3) This table shows how the temperature changed on four different streets around the world. Complete the table to show how the temperatures changed over three months.

Town	January	Temperature change	February	Temperature change	March
Twinkl Town	-5°C	+8°C	___°C	+7°C	___°C
Education Avenue	-1°C	___°C	-9°C	___°C	1°C
Learning Lane	-11.3°C	___°C	-17.3°C	___°C	-5°C

Rounding to 100

Round these 3 digit numbers to the nearest 100

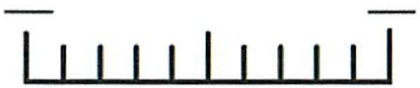


280 to the nearest 100 = 300

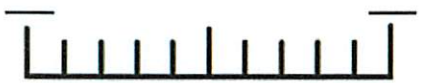
1. 362 to the nearest 100 = _____

2. 565 to the nearest 100 = _____

3. 849 to the nearest 100 = _____



4. 623 to the nearest 100 = _____

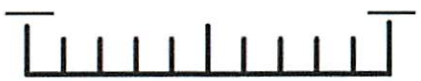


5. 715 to the nearest 100 = _____

6. 890 to the nearest 100 = _____

7. 321 to the nearest 100 = _____

8. 245 to the nearest 100 = _____



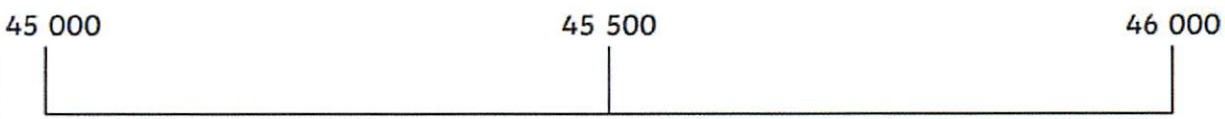
9. 550 to the nearest 100 = _____

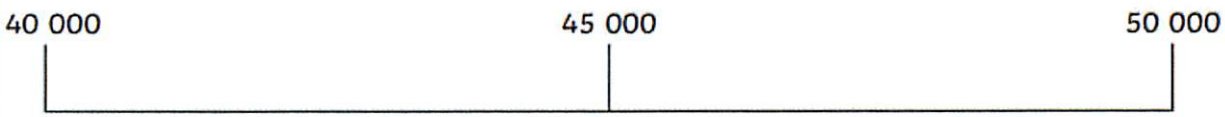
10. 376 to the nearest 100 = _____

Rounding to 1000, 10,000 and 100,000

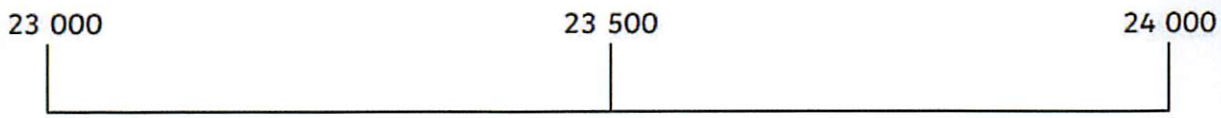
1. Round each of these numbers to the nearest 1000 and 10 000. Use the number lines below to help you.

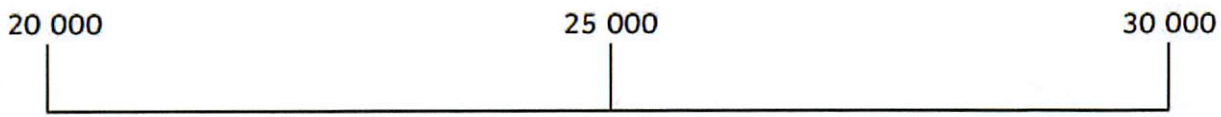
Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
45 789		





Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
23 189		

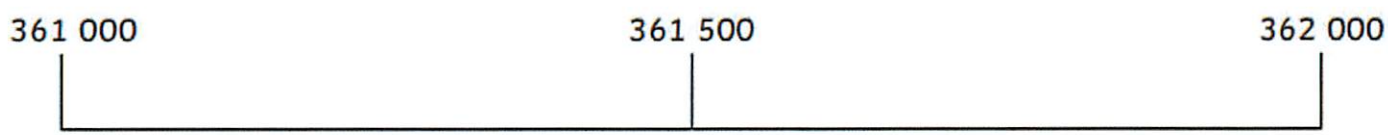


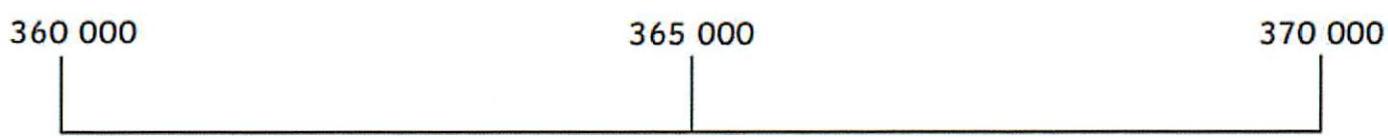


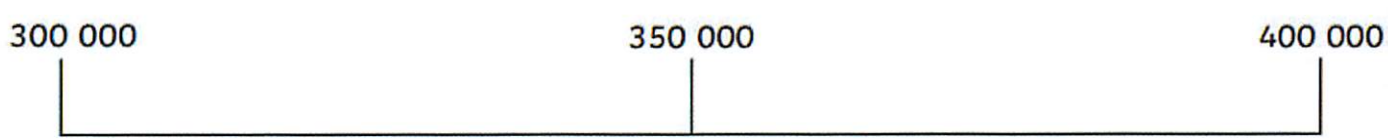
Rounding to 1000, 10,000 and 100,000

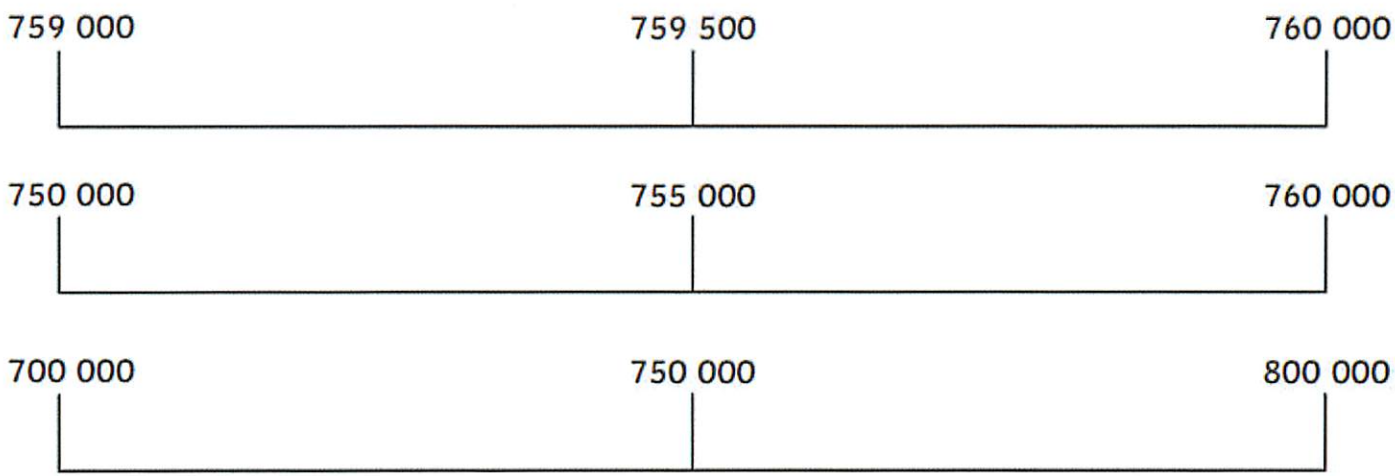
2. Round each of these numbers to the nearest 1000, 10 000 and 100 000. Use the number lines below to help you.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
361 902			







Rounding to 1000, 10,000 and 100,000

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
759 876