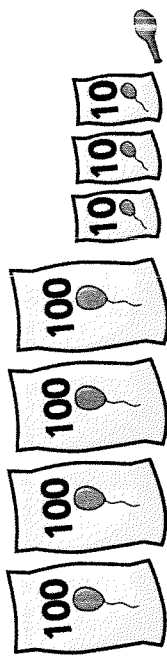


Numbers to 1,000

How many balloons are there?



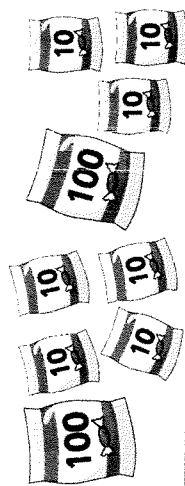
There are balloons.

How many sweets are there?



There are sweets.

b)

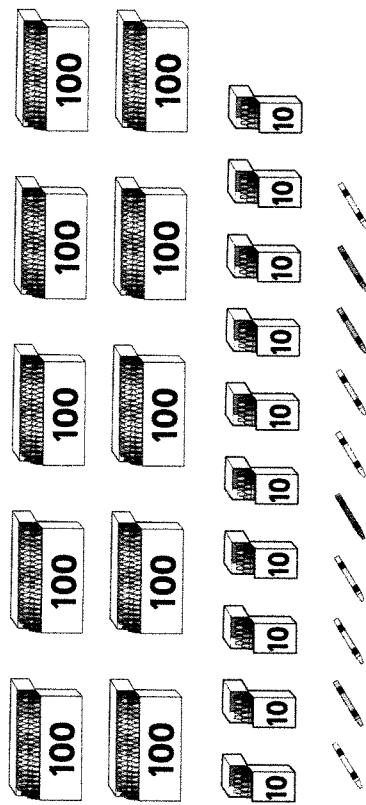


There are sweets.

c) What is the same and what is different about a) and b)?

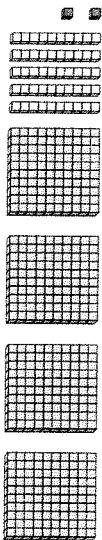
Talk to a partner about your answer.

Circle 316 crayons.

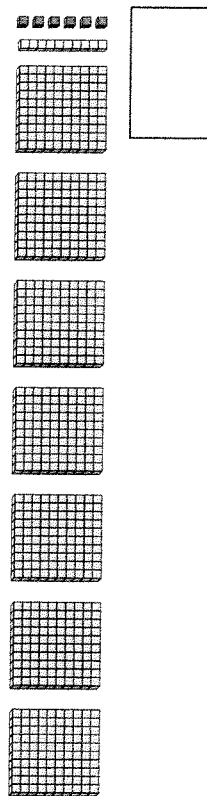


What numbers are represented?

a)



b)

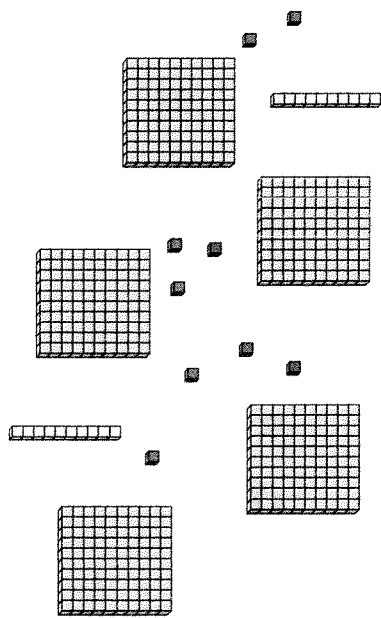


Use base 10 to make these numbers.

a) 426 b) 922 c) 307

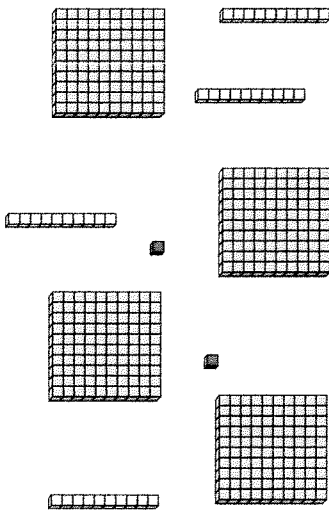
Are your answers the same as your partner's answers?

6 What number has Alex made?



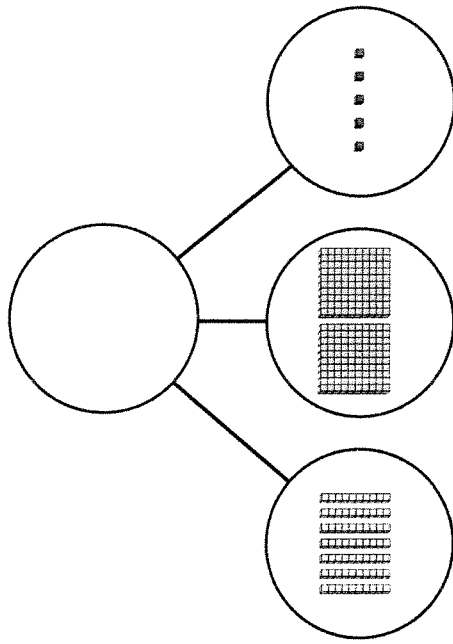
Alex has made

7 Dexter is making the number 573 with base 10

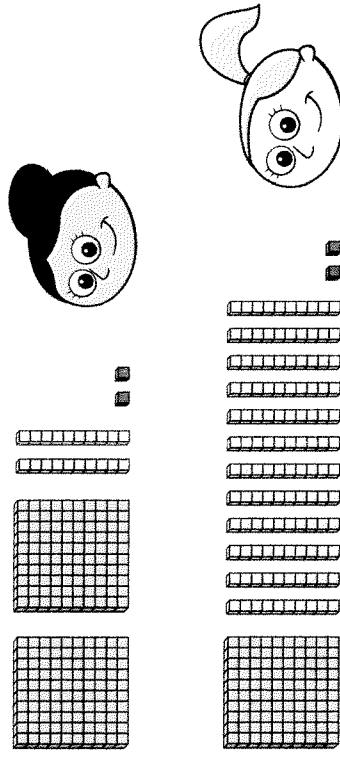


Draw the missing pieces of base 10

8 Write a numeral to complete the part-whole model.



9 Dora and Eva have each made a number.



Dora and Eva have made the same number.

Is this true or false? _____

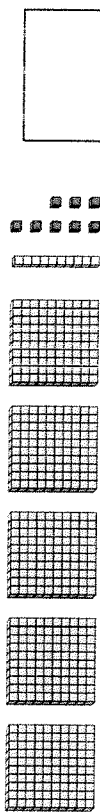
How do you know?

1 What numbers are represented?

a)



b)



c)

Hundreds	Tens	Ones

2 Make each number using base 10

a) 426

b) 150

c) five hundred and thirty-two

Write each number in numerals.

a) four hundred and sixty-nine

b) three hundred and thirty-seven

c) nine hundred and fifty

d) eight hundred and three

Complete the sentences.

a) 348 is equal to 3 hundreds, tens and ones.

b) 673 is equal to hundreds, tens and ones.

c) 792 is equal to hundreds, 9 and 2 .

d) 308 is equal to 3 and 8 .

e) is equal to 7 hundreds, 5 tens and 1 one.

f) is equal to 8 hundreds and 2 ones.



5 Complete the number sentences.

a) $432 = 400 + 30 + \boxed{}$
 $435 = 400 + \boxed{} + \boxed{}$
 $437 = \boxed{} + \boxed{} + \boxed{}$

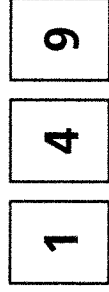
b) $520 = 500 + \boxed{}$
 $502 = 500 + \boxed{}$

c) $392 = 300 + 90 + \boxed{}$
 $392 = 92 + \boxed{}$
 $392 = 2 + \boxed{}$

6 What is the value of the 3 in each number?

- a) 137 _____
 b) 390 _____
 c) 213 _____
 d) 375 _____

7 a) Mo has 3 digit cards.



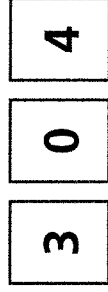
He makes a 3-digit number.

His number has 9 tens.

What numbers could Mo have made?

or

b) Aisha has some different digit cards.



Aisha makes a 3-digit number.

Write all the numbers that Aisha could make.

8 Ron is thinking of a number.



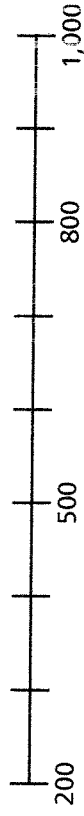
My number has
an even number of tens.
There are 2 more hundreds
than there are ones.
One of the digits is a 6

Circle the numbers that Ron could be thinking of.

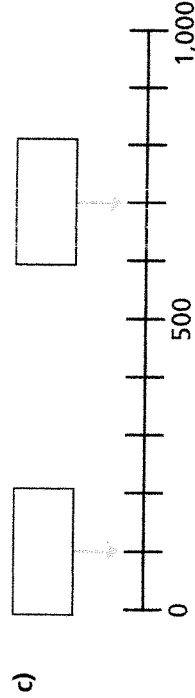
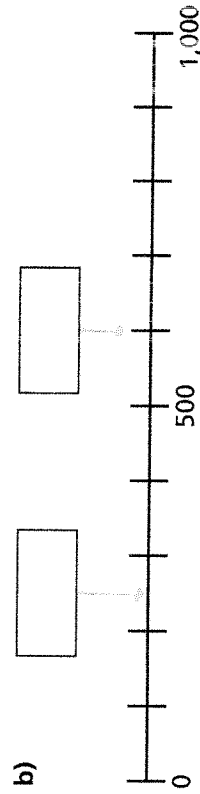
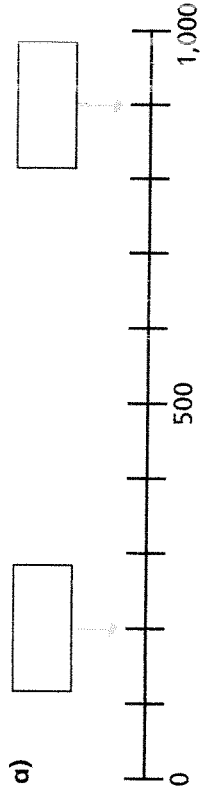
- | | | |
|-----|-----|-----|
| 286 | 462 | 385 |
| 614 | 604 | 328 |

Number line to 1,000

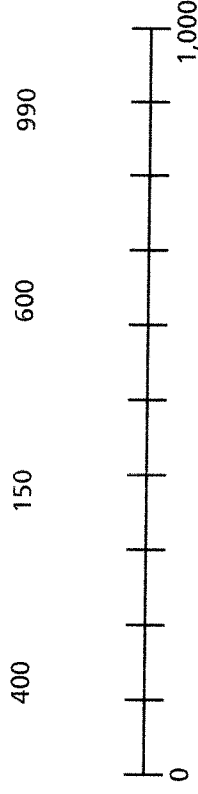
1 Complete the number line.



2 What numbers are the arrows pointing to?



3 Write these numbers on the number line.

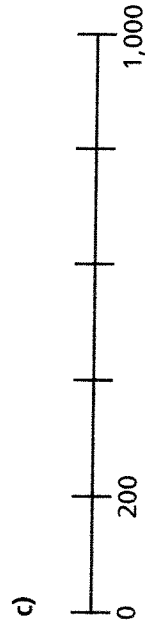
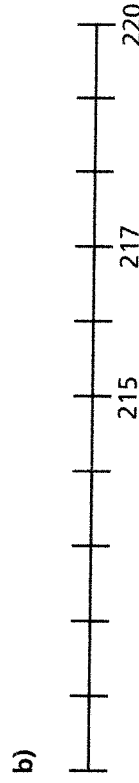
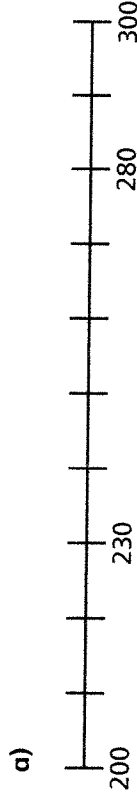


4 Here is a number line from 0 to 1,000



Label 500 and 750 on the number line.

5 Complete the number lines.





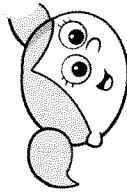
a) Label 470 on the number line.



b) Label 280 on the number line.



This number line goes up in 100s.



Is Alex correct? How do you know?



a) Draw an arrow to 785 on each number line.

a)



b)

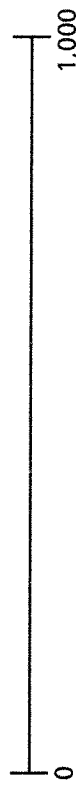


c)



Estimate where these numbers go on the number line.

300 750 30 995



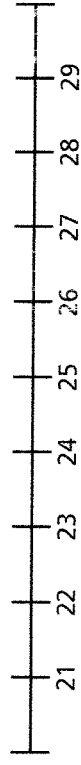
How did you do this? Talk about it with a partner.



Round to the nearest 10

a) Which multiples of 10 do the numbers sit between?

Complete the number line.



b) Circle the number 27

Which multiple of 10 is 27 closest to?

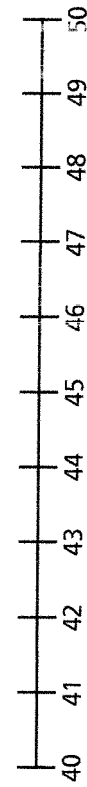
27 rounded to the nearest 10 is

c) Circle the number 23

Which multiple of 10 is 23 closest to?

23 rounded to the nearest 10 is

Here is a number line.



a) Which numbers round to 40?

b) Which numbers round to 50?

Round each number to the nearest 10

a) 41

d) 79

g) 33

b) 19

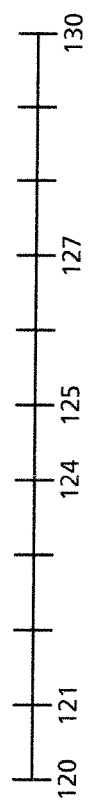
e) 9

h) 71

c) 25

f) 4

i) 99



a) Are these numbers closer to 120 or 130?

Use the number line to help you complete the sentences.

121 is closer to than

124 is closer to than

127 is closer to than

125 is the same distance from as it is from

b) Round each number to the nearest 10

121

124

127

125

5 Round each number to the nearest 10

- a)

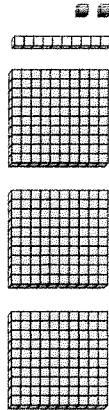
b) 712

c)

H	T	O

d) XXIX

e)



f) CXVIII

6 Circle the numbers that round to 380 to the nearest 10

- 389 379 371 381 375 385

7 Circle the numbers that round to 200 to the nearest 10

- 150 207 196 193 209 195

To round to the nearest 10, I only need to look at the ones column.



Do you agree with Ron? Explain your answer.

8 There are 450 children in a school, to the nearest 10
How many children could there be in the school?

9 Two different 2-digit numbers round to 70 to the nearest 10
The sum of the two numbers is 136
What could the two numbers be?

Round to the nearest 100

- a) Which multiples of 100 do the numbers sit between?
Complete the number line.



- b) Circle the number 270 on the number line.

Which multiple of 100 is 270 closest to?

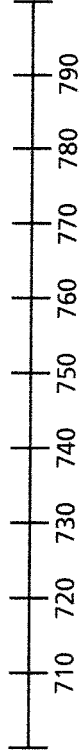
270 rounded to the nearest 100 is

- c) Circle the number 230 on the number line.

Which multiple of 100 is 230 closest to?

230 rounded to the nearest 100 is

- a) Which multiples of 100 do the numbers sit between?
Complete the number line.



- b) Draw an arrow and label 713 on the number line.

- c) Which multiple of 100 is 713 closest to?

713 rounded to the nearest 100 is

- d) Round each number to the nearest 100

725

701

749

779

751

750

- Round each number to the nearest 100

a) 401

d) 190

g) 250

b) 789

e) 89

h) 44

c) 330

f) 708

i) 99



Round each number to the nearest 100

- a) ☐ 100 ☐ 100 ☐ 100 ☐ 100

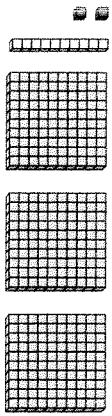
b) 712

c)

H	T	O

d) XXIX

e)



f) CXVIII

Circle the numbers that round to 300 to the nearest 100

- 359 279 271 341 350 250

Circle the numbers that round to 200 to the nearest 100

- 150 207 196 249 250 190

Complete the table.

Number	624	371	289	750	38
Rounded to the nearest 10					
Rounded to the nearest 100					

There are 400 children in a school, to the nearest 100

What is the least number of children in the school?

What is the greatest number of children in the school?

Annie is thinking of a number.



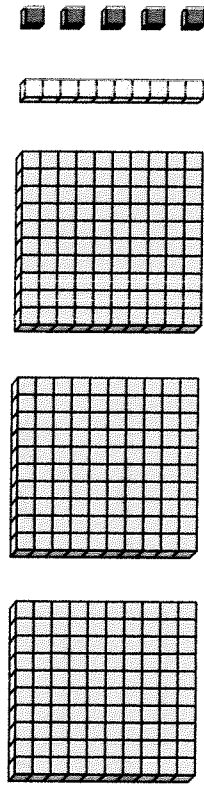
My number rounds to 300 to the nearest 10 and to the nearest 100

What number could Annie be thinking of?

Is this the only answer? Talk about it with a partner.

Find 1, 10, 100 more or less

1 Annie makes a number using base 10



a) What number has Annie made?

Annie has made the number

b) What is 100 more than Annie's number?

100 more than Annie's number is

c) What is 10 more than Annie's number?

10 more than Annie's number is

d) What is 1 more than Annie's number?

1 more than Annie's number is

2 What number is represented?

Hundreds	Tens	Ones

The number represented is

a) What is 100 more than the number?

What is 10 more than the number?

What is 1 more than the number?

b) What is 100 less than the number?

What is 10 less than the number?

What is 1 less than the number?

3 What is 100 more than each of these numbers?

a) 700

c) 590

b) 385

d) 47



7 What is 10 more than each of these numbers?

- a) 362 c) 703
b) 180 d) 695

8 What is 10 less than each of these numbers?

- a) 789 c) 300
b) 245 d) 404

9 Complete the sentences.

- a) 100 more than 763 is
b) is 100 more than 765
c) is 100 less than 503
d) 1 less than 300 is
e) 10 less than 109 is
f) is 10 less than 972
g) is 1 less than 699

7 Tom makes a number on a place value chart, but one of the counters slips off the chart.

Hundreds	Tens	Ones

What could Tom's number have been?

8 Complete the table.

100 more	10 more	1 more	number	1 less	10 less	100 less
			473			
398						
					890	

9 Kim thinks of a number.

100 less than Kim's number is 900

What is 10 less than Kim's number?



Write numerals to complete the table.

1,000 less	number	1,000 more

Use the place value chart to help you complete the sentences.

Th	H	T	O

a) 1,000 more than 4,192 is

b) 100 more than 4,192 is

100 less than 4,192 is

c) 10 less than 4,192 is

10 more than 4,192 is

d) 1 less than 4,192 is

1 more than 4,192 is

a) What is 100 less than 2,000?

b) What is 10 less than 2,000?

c) What is 1 less than 2,000?

Find 1,000 more and 1,000 less than each number.

a) $\xleftarrow{1,000 \text{ less}}$ 7,000 $\xrightarrow{1,000 \text{ more}}$

b) $\xleftarrow{1,000 \text{ less}}$ 3,918 $\xrightarrow{1,000 \text{ more}}$

c) $\xleftarrow{1,000 \text{ less}}$ 1,203 $\xrightarrow{1,000 \text{ more}}$

Complete the sentences.

a) 1,000 more than 7,163 is

b) is 100 more than 2,360

c) is 100 less than 1,900

d) 1 less than 1,500 is

e) 10 less than 109 is

f) is 1,000 more than 972

g) is 10 less than 5,990

Complete the number tracks.

1,760	1,770	1,780			
-------	-------	-------	--	--	--

365	1,365		3,365		
-----	-------	--	-------	--	--

Is this always, sometimes or never true?

When you find 100 more than a 4-digit number, only the 100s column changes.

Complete the number sentences.

a) $5,190 + 100 =$

f) $6,195 + 10 =$

b) $395 + 1,000 =$

g) $3,070 - 100 =$

c) $7,090 - 10 =$

h) $792 + 10 =$

d) $7,090 + 10 =$

i) $5,000 - 100 =$

e) $4,062 - 100 =$

j) $1,093 + 10 =$

a) Mo thinks of a number.

1,000 less than Mo's number is 5,751

What is 10 less than Mo's number?

b) 1 less than Ron's number is 100 more than Mo's number.

What is Ron's number?

Compare 4-digit numbers

Who has the smaller amount of drink?

Tommy

Eva

Five 1,000 ml bottles

Five 100 ml bottles

_____ has the smaller amount of drink.
Explain how you know.

Which is the greater number? Tick your answer.

3,456

4,526

Which number is greater? Tick your answer

Th	H	T	O
3	4	5	6

☐

Circle all the numbers greater than 4,500

- 7,000
- 3,960
- 4,499
- 985
- 4,526

Write <, > or = to compare the numbers.

a)

Th	H	T	O
2	0	7	5

b)

Th	H	T	O
6	2	3	5

c)

Th	H	T	O
6	9	2	7

Write the missing phrase.

is less than

is greater than

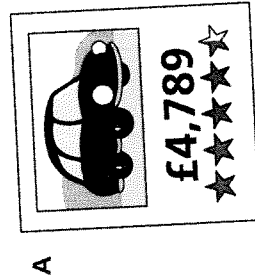
a) 4,720 _____ 4,635

b) 5,100 _____ 800

c) 3,195 _____ 3,591

d) 2,000 _____ 7,999

Which is the more expensive car?



Describe the steps you used to compare the car prices.

Write <, > or = to compare the numbers.

a) 6,000 _____ 3,981

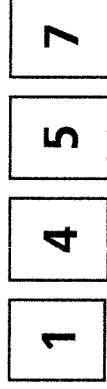
d) 32 _____ 2,000

b) 4,512 _____ 4,521

e) £6,418 _____ £6,419

c) 900 _____ 1,200

Teddy and Scott have some digit cards.



Teddy makes the number 4,571

Scott says his number is greater than Teddy's.

Teddy says Scott's number must start with a 5

Is Teddy correct? Explain how you know.

What could the missing digits be?

a) 4,523 is greater than 4,5_7

b) 7,000 < _,513

c) 3,854 > 3,85_

d) 5,650 > 4,_7_

Write all the possible missing digits.

a) 2,778 is less than 2,7_4

b) 6,000 > _,259

Whitney, Tom and Dani are making numbers with base 10

Whitney	Tom	Dani

a) Who has made the greatest number? _____

Explain how you know.

b) Write the numbers in order. Start with the smallest number.

Write the numbers in order. Start with the greatest number.

2,600	2,540	2,595
-------	-------	-------

Circle the greatest number.

1,700 3,803 7,500 5,270

How do you know it is the greatest number?

Teddy uses 10 counters to make a number on a place value chart.

Th	H	T	O

Rearrange the counters to make a number that is less than Teddy's.

Th	H	T	O

Rearrange the counters to make a number that is greater than Teddy's.

Th	H	T	O

Circle the smallest number in each list.

- a) 625 1,400 3,280 4,000
- b) 2,372 2,400 2,089
- c) 6,180 6,175 6,190 6,241

The table shows the distances of five cities from London.

City	Distance from London
New York	5,570 km
Barcelona	1,138 km
Cairo	3,511 km
Oslo	1,150 km
Rome	1,435 km

- a) Which of these cities is closest to London? _____
- b) Which city is furthest from London? _____
- c) Which city is 3rd closest to London? _____

Write each set of numbers in order. Start with the smallest number.

- a) 2,600 1,750 1,780 2,304
- b) 728 8,200 1,322 8,079



982 is greater than 2,340 because 982 starts with a 9 and the other number starts with a 2

What mistake has Jack made?

a) These numbers are in order from smallest to greatest.

3, _25 3,76_ 3, _58

What could the missing digits be?

b) These numbers are in order.

The same digit is missing in each number.

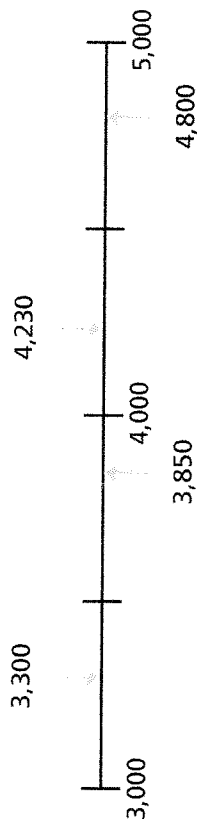
7, _56 > 7, _3_ > 7,6 _8

What could the missing digit be?

How many answers can you find?

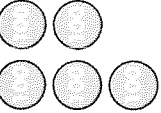
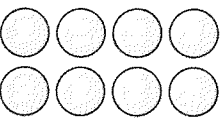
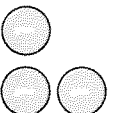
Round to the nearest 1,000

Circle the numbers that round to 4,000 to the nearest 1,000



Explain why 7,800 rounds to 8,000 to the nearest 1,000

Dora makes a number using place value counters.

Th	H	T	O
			

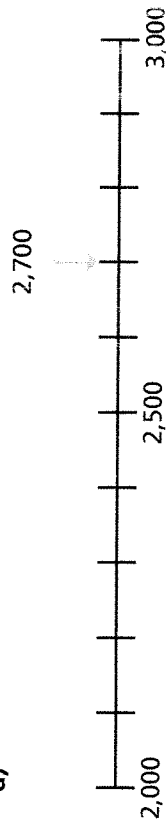
a) Round Dora's number to the nearest thousand.

b) Round Dora's number to the nearest hundred.

c) Round Dora's number to the nearest ten.

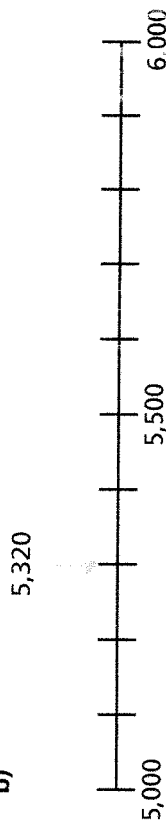
Use the number lines to help you round.

a)



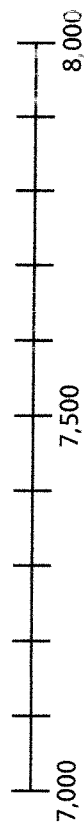
2,700 rounded to the nearest 1,000 is

b)



5,320 rounded to the nearest 1,000 is

c)



7,450 rounded to the nearest 1,000 is

Circle the numbers that round to 9,000 to the nearest 1,000

8,600 8,590 8,340

9,105 938 9,566

Circle the numbers that round to 9,100 to the nearest 100

9,130 8,950 9,059

9,045 9,009 9,107

Round each number to the nearest 1,000

- | | | | |
|----------|----------------------|----------|----------------------|
| a) 3,500 | <input type="text"/> | h) 1,795 | <input type="text"/> |
| b) 749 | <input type="text"/> | i) 4,591 | <input type="text"/> |
| c) 2,260 | <input type="text"/> | j) 5,925 | <input type="text"/> |
| d) 2,360 | <input type="text"/> | k) 4,925 | <input type="text"/> |
| e) 2,460 | <input type="text"/> | l) 3,925 | <input type="text"/> |
| f) 2,560 | <input type="text"/> | m) 2,925 | <input type="text"/> |
| g) 2,660 | <input type="text"/> | n) 1,925 | <input type="text"/> |

Complete the table.

Number	Rounded to the nearest 10	Rounded to the nearest 100	Rounded to the nearest 1,000
755			
2,904			
5,997			

Circle the numbers that could be the missing digit.

a) 3,8_ 8 rounded to the nearest 100 is 3,900

0 1 2 3 4 5 6 7 8 9

b) 3,8_ 8 rounded to the nearest 1,000 is 4,000

0 1 2 3 4 5 6 7 8 9

c) 3,8_ 8 rounded to the nearest 10 is 3,890

0 1 2 3 4 5 6 7 8 9

Rosie rounds a number to the nearest 1,000 and gets 3,000

Amir rounds a number to the nearest 100 and gets 3,400

Rosie's number is 100 more than Amir's.

What could their numbers be?

Rosie's number Amir's number



Ron is counting up in 25s from 0 to 1,000

0, 25, 50 ...

a) Circle all the numbers that Ron will say.

51 100 175 305
90 258 720 725

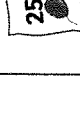
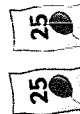
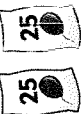
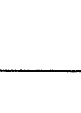
b) Ron keeps counting past 1,000

Ron will say all of these numbers.

1,025 1,775 1,900 2,025

Explain how we know this.

The children have each got some packets of balloons.

Filip	Eva	Mo	Esther
 	  	   	   

a) How many balloons does each child have?

Filip Eva Mo Esther

b) How many balloons are there in 6 packets?

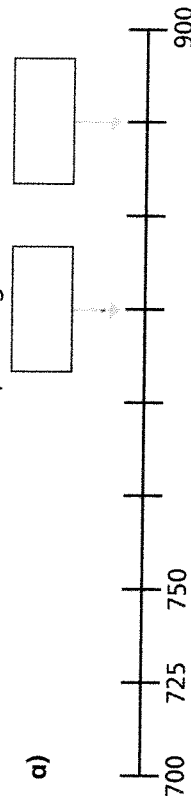
Complete the number tracks.

200	225	250					
-----	-----	-----	--	--	--	--	--

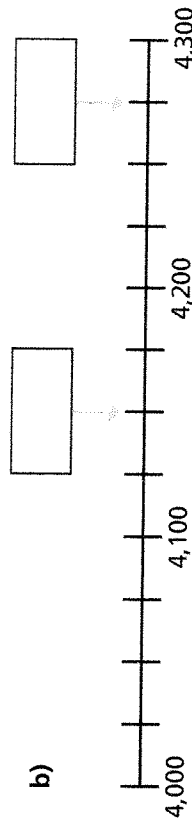
750	725	700					
-----	-----	-----	--	--	--	--	--

What numbers are the arrows pointing to?

a)

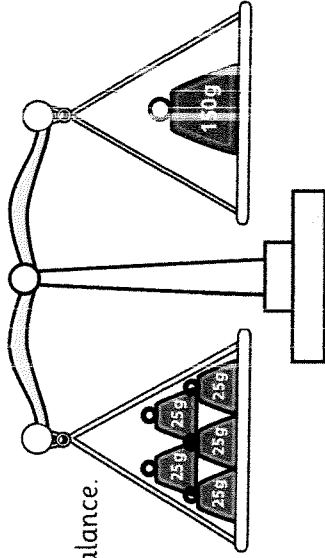


b)



Is this true or false?

These scales will balance.

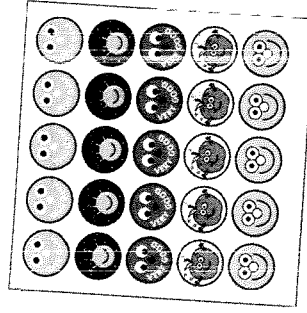


Explain your answer.

Dora has 28 sheets of stickers.

Each sheet contains 25 stickers.

She has 700 stickers in total.



a) How many stickers are there on 29 sheets?

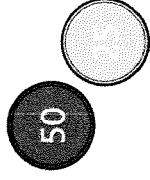
b) How many stickers are there on 30 sheets?

c) How did you work this out?

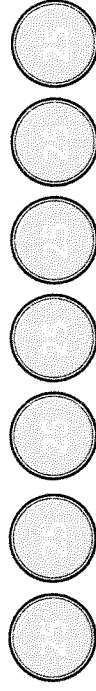
Players in a game win coloured tokens.

A blue token wins 50 points.

An orange token wins 25 points.



a) Kim wins these tokens in round 1



How many points does she win?

Explain how you know.

b) By the end of the game, Kim has 600 points.

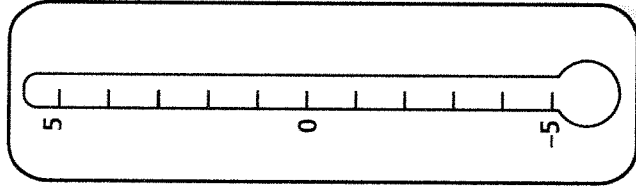
How many more points has she won?

What new tokens could she have won?

Complete the temperature labels on the thermometer.

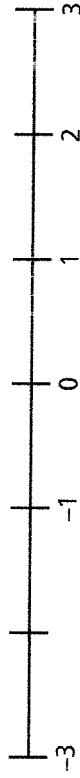
Circle the warmer temperature in each pair.

- a) 2°C 4°C
 b) 5°C 0°C
 c) -1°C 1°C
 d) -3°C 0°C
 e) 4°C -1°C
 f) -4°C 1°C



Complete the number lines.

a)



b)



c)



d)



a) Tommy is counting backwards in 1s starting from 4

Write the first five numbers that Tommy will say.

--	--	--	--	--

b) Annie is counting backwards in 2s starting from 4

Write the first five numbers Annie will say.

--	--	--	--	--

c) Alex is counting forwards in 3s starting from -4

Write the first five numbers Alex will say.

--	--	--	--	--

Rosie has labelled a number line.



What mistake has Rosie made?

Continue the sequences.

a) 20, 15, 10, , ,

b) -10, -8, -6, , ,

c) -7, -5, -3, , ,

d) 7, 4, 1, , ,

e) 75, 50, 25, , ,

The temperature in London is 5°C .

a) The temperature in Birmingham is 8°C warmer than London.

What is the temperature in Birmingham?

b) The temperature in Manchester is 8°C colder than London.

What is the temperature in Manchester?

Teddy is counting backwards.



three, two, one,
negative one,
negative two ...

What mistake has Teddy made? Talk about it with a partner.

Whitney is counting backwards in 10s from 37



37, 27, 17,
7, -7, -17

Is Whitney correct? _____

Write the numbers she should say, to check your answer.

Match the numbers to the Roman numerals.

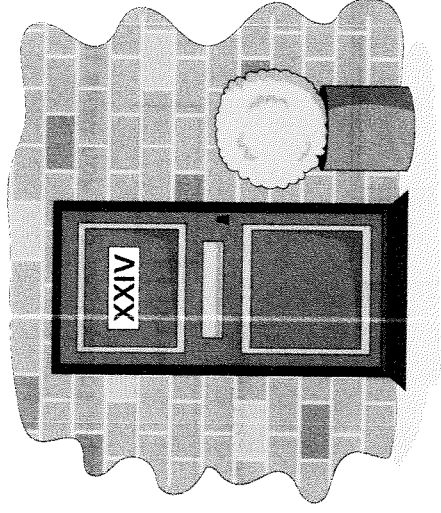
1
5
10
50
100

L
C
V
X
I

Write each number in Roman numerals.

a) 7		d) 55		g) 17	
b) 12		e) 72		h) 41	
c) 23		f) 89		i) 27	

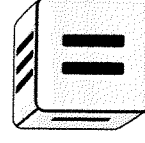
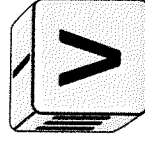
Eva lives in this house.



What number does Eva live at?

Eva lives at number

Jack rolls two 6-sided dice.



What is Jack's total score?

Alex rolls the same 2 dice and gets two different numbers.

Her score is the same as Jack's.

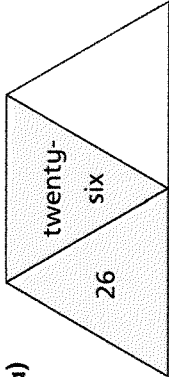
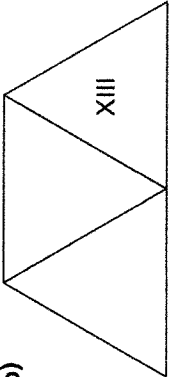
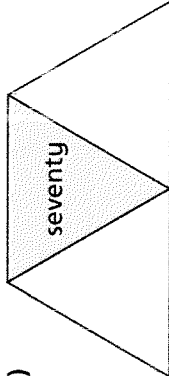
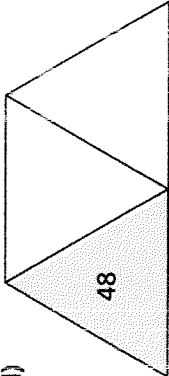
What numbers could Alex have rolled?

and

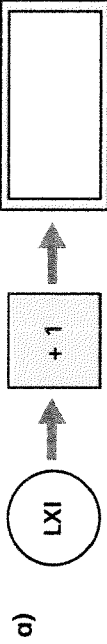
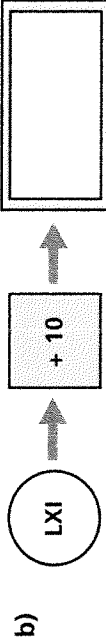
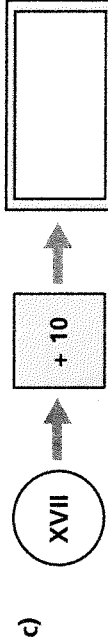
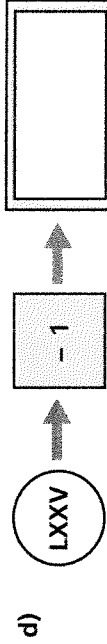
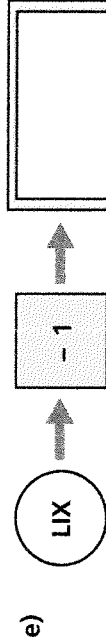
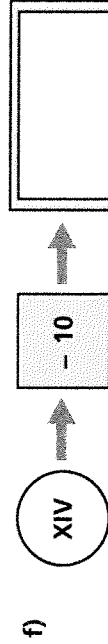
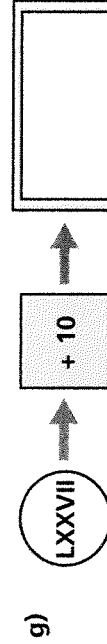
Write the Roman numeral in numerals and words.

- a) XXIV
- b) LXXI
- c) LXVIII
- d) XCVI
- e) XXVIII
- f) XCI

Each diagram should show a number in numerals, words and Roman numerals. Complete the diagrams.

- a) 
- b) 
- c) 
- d) 

Complete the function machines.

- a) 
- b) 
- c) 
- d) 
- e) 
- f) 
- g) 

Complete the calculation.

$$XXIX + \boxed{} = LXI + \boxed{}$$

How many other calculations can you write that give the same total?

Compare your answers with a partner.