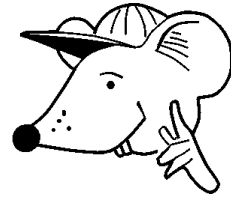


MATHEMATICS



N.S. Yr. 4 P.2

**Read and write whole numbers.
Partition numbers into ThHTU.**

Equipment

Paper and pencil.
Abacus useful.
Calculator for extension work.

MathSphere

© MathSphere P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

UNDERSTANDING AND READING LARGE NUMBERS**Concepts**

thousands	hundreds	tens	units or ones
5	5	5	5

The number above is five thousand, five hundred and fifty five

The digit **5** in the **thousands** column is worth **5 000**

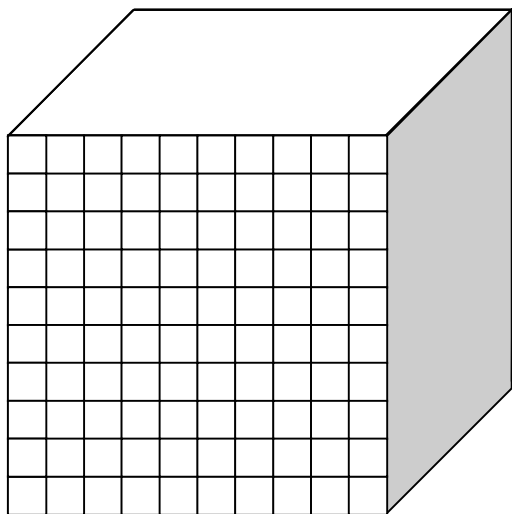
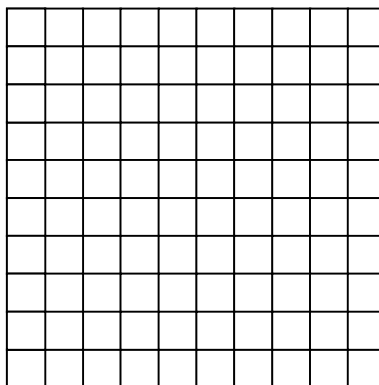
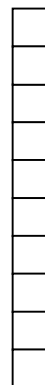
The digit **5** in the **hundreds** column is worth **500**

The digit **5** in the **tens** column is worth **50**

The digit **5** in the **units** column is worth **5**

Use unifix, centicubes or squared paper to help with the idea that a digit in any column will become ten times bigger if it moves one place to the left and ten times smaller if it moves one place to the right.

On the next page are diagrams to help with this. They may be photocopied and cut out if cubes are not available.

READING AND WRITING NUMBERS UP TO THOUSANDS**THOUSAND****HUNDRED****TEN****UNIT**

THOUSAND	HUNDRED	TEN	UNIT
6	4	2	8

Six thousand**four hundred****and twenty****eight**Try writing **IN WORDS** the numbers below:

THOUSAND	HUNDRED	TEN	UNIT
4	5	8	2

THOUSAND	HUNDRED	TEN	UNIT
3	2	9	1

NUMBER CARDS

Cut these out to use as cards for oral games. Further cards and a blank master can be found on pages 13/14.

3 689

8 078

2 516

5 000

4 098

GAMES FOR READING AND WRITING LARGE NUMBERS

Use the cards on page 4 and page 12 for oral games .

Photocopy on to card. Cut them up and ask questions such as:

- find the card with an eight on it which is worth 80.
- put the cards in order of size.
- read the number on the card
- find the card with five thousand on it.

Use the chart below to play a dice game. See below for rules.

	Thousands	Hundreds	Tens	Units
1				
2				
3				
4				
5				

Decide on a target number.

It could be: the biggest possible number
 the smallest possible number
 the number nearest to 1 000
 the number nearest to 5 000 etc

Roll a die once (it is possible to get dice with 0 to 9 on them, which is excellent for this game.) Place the number thrown on the die in one of the four columns - thousands hundreds, tens units. Write in the first row only.

Roll the die again. Place the number thrown into one of the remaining three columns. Write in the first row only.

Roll the die again. Place the number in one of the remaining two columns. Write in the first row only.

Roll the die a fourth time. Place the number thrown into the remaining column.

Read the four digit number created. Check to see who was nearest the target number.

Play the game again - putting numbers in second row.

SPELLING

Revise spellings of one to ten, plus:

Won't be long before
I'm in my teens!



eleven
thirteen
fifteen
seventeen
nineteen
thirty
fifty
seventy
ninety
thousand

twelve
fourteen
sixteen
eighteen
twenty
forty
sixty
eighty
hundred
digit

Try writing these in numbers:

1. Two thousand, three hundred.
2. Six thousand, five hundred and twenty six.
3. Five hundred and ninety.
4. Seven thousand and fifty two.
5. Three thousand nine hundred and seven.
6. Eight thousand and forty.
7. Two thousand two hundred and two.
8. Six thousand and nineteen.

thousands			units		
		u	h	t	u
		2	8	1	3

The number above is two thousand, eight hundred and thirteen

The digit 2 is worth 2 000

The digit 8 is worth 800

The digit 1 is worth 10

The digit 3 is worth 3

Write down the value of the digits underlined in the numbers below.

1. 6 000 2. 4 289 3. 8 112 4. 9 208 5. 6 658

6. 5 492 7. 2 194 8. 6 541 9. 1 200 10. 9 002

Let's see,
thousands,
hundreds, tens and
units.



Now, try to write out these numbers
IN WORDS.

The first one is done for you!

11. 3 456
three thousand, four hundred
and fifty six.

12. 5 678

13. 4 301

14. 7 890

15. 4 200

$$7\ 428 = 7\ 000 + 400 + 20 + 8$$

What numbers need to go in the boxes below?

1. $3\ 718 = 3\ 000 + \boxed{} + 10 + 8$

2. $2\ 569 = 2\ 000 + 500 + \boxed{} + 9$

3. $5\ 444 = \boxed{} + 400 + 40 + 4$

4. $6\ 666 = 6\ 000 + \boxed{} + 60 + 6$

5. $7\ 777 = 7\ 000 + 700 + \boxed{} + 7$

In the number 9 876 there are:

9 thousands and
8 hundreds and
7 tens and
6 units

I think I get
it!



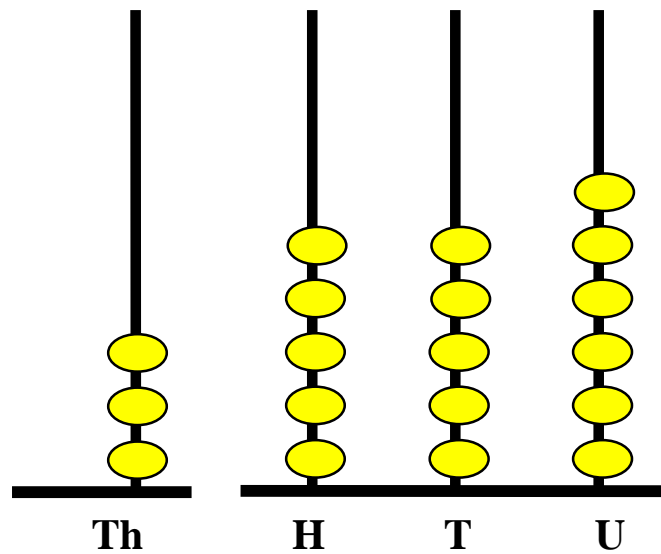
6. How many thousands are there in 4 089 ?

7. How many thousands are there in 6 123 ?

8. What is the value of the 6 in 4 690 ?

9. What is the value of the 4 in 3 457 ?

10. What is the value of the 6 in 2 468 ?

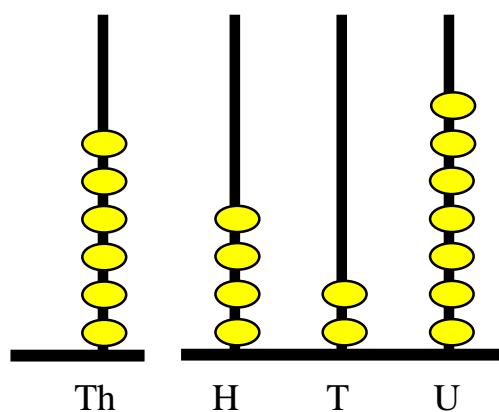


This abacus shows 3 thousands, 5 hundreds, 5 tens and 6 units.

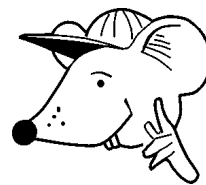
The number is written 3 556

In words: three thousand, five hundred and fifty six.

Write down what the abacus shows for this:



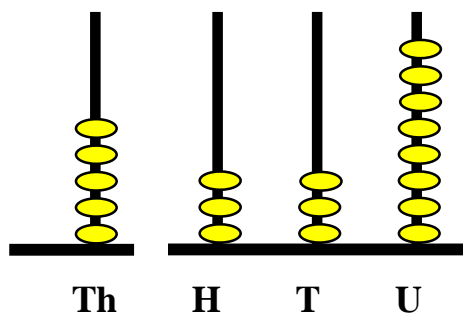
Let's see - it
looks like 7
units.



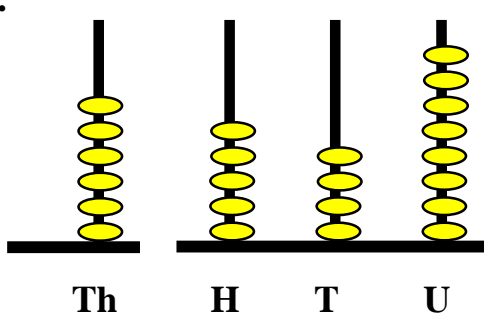
What numbers do these show?

Write the answers IN FIGURES and then IN WORDS.

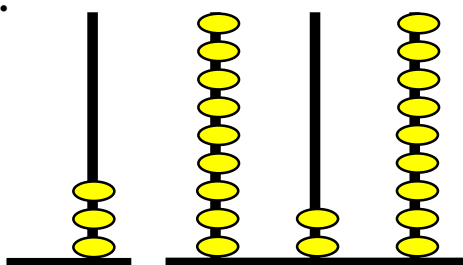
1.



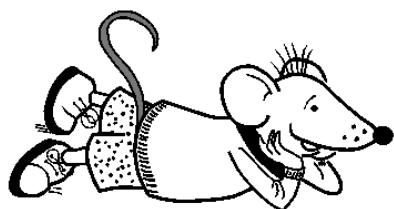
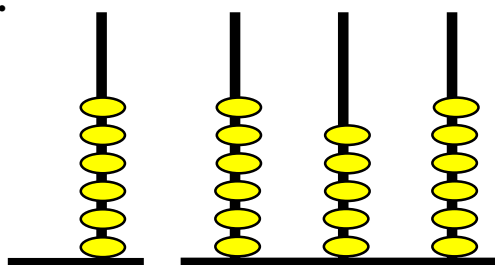
2.



3.

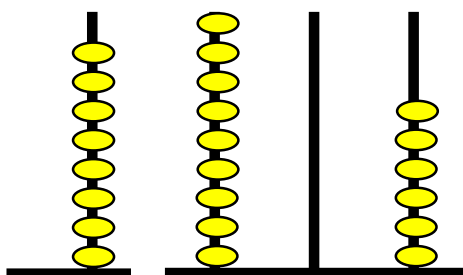


4.

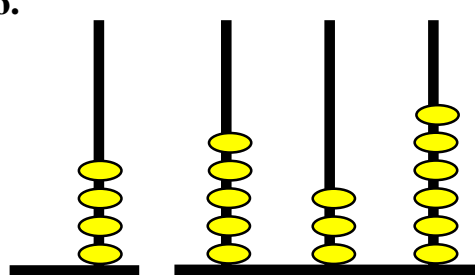


I'm getting the hang of this now - quite easy really!

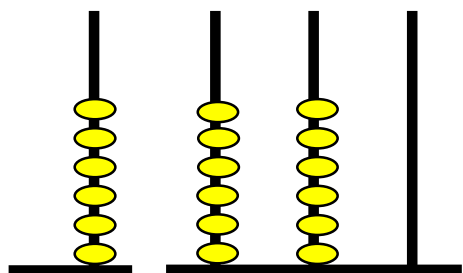
5.



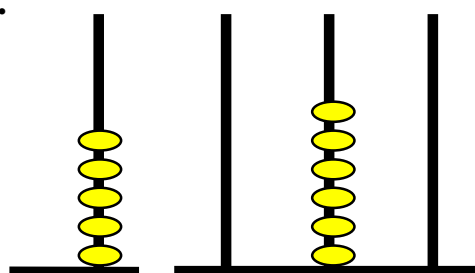
6.



7.



8.



PLACE VALUE - CALCULATOR WORK

For each of the following you are only allowed to carry out one operation - this means type in the original number, then type in a sign, a number of your choice and the equals sign - once only!

1. Change 5 346 to 6 346
2. Change 7 781 to 7 681
3. Change 8 000 to 7 700
4. Change 5 645 to 5 655
5. Change 2 100 to 6 100

Work out the following:

6. Which is more: 15 tens or 2 hundreds?
7. Which is more: 1 thousand or 12 hundreds?
8. Which is less: 4 hundred or 41 tens?
9. Which is more: 2 thousand or 22 hundreds?
10. Which is less: 6 thousands or 58 hundreds?

Make the BIGGEST number that you can from the following digits. Write the number down. Then make the SMALLEST possible number. Take the smallest from the largest, using a calculator.

11. 4, 7, 8, 6
12. 9, 0, 4, 2
13. 5, 3, 1, 4
14. 6, 7, 6, 7
15. 9, 0, 9, 0

ANSWERS**Page 3**

1. four thousand five hundred and eighty two
2. three thousand two hundred and ninety one

Page 6

1. 2 300 2. 6 526 3. 590 4. 7 052 5. 3 907 6. 8 040 7. 2 202 8. 6 019

Page 7

1. 6 000 2. 9 3. 100 4. 9 000 5. 600 6. 5 000 7. 90 8. 6 000 9. 200 10. 9 000
11. three thousand, four hundred and fifty six
12. five thousand, six hundred and seventy eight
13. four thousand, three hundred and one
14. seven thousand, eight hundred and ninety
15. four thousand, two hundred

Page 8

1. 700 2. 60 3. 5 000 4. 600 5. 70
6. 4 (thousands) 7. 6 (thousands) 8. 600 9. 400 10. 60

Page 9.

1. six thousand, four hundred and twenty seven

Page 10

1. 5 338 five thousand, three hundred and thirty eight
2. 6 548 six thousand, five hundred and forty eight
3. 3 929 three thousand nine hundred and twenty nine
4. 6 656 six thousand, six hundred and fifty six
5. 8 906 eight thousand, nine hundred and six
6. 4 536 four thousand, five hundred and thirty six
7. 6 660 six thousand, six hundred and sixty
8. 5 060 five thousand and sixty

Page 11

1. $5\,346 + 1\,000 = 6\,346$ 2. $7\,781 - 100 = 7681$
3. $8\,000 - 300 = 7\,700$ 4. $5\,645 + 10 = 5\,655$ 5. $2\,100 + 4\,000 = 6\,100$
6. 2 hundreds 7. 12 hundreds 8. 4 hundred 9. 22 hundreds 10. 58 hundreds
11. $8\,764 - 4\,678 = 4\,086$ 12. $9\,420 - 0\,249 = 9\,171$ 13. $5\,431 - 1\,345 = 4\,086$
14. $7\,766 - 6\,677 = 1\,089$ 15. $9\,900 - 0\,099 = 9\,801$

--

--

--

--

--

2 348

6 590

7 401

5 914

4 351