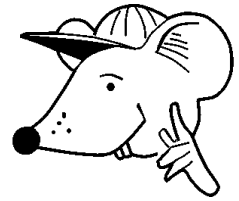


MATHEMATICS



N.S. Yr. 3 P.9

**Read and write numbers in figures and words.
Partition a number into tens and units.**

Equipment

Number cards (available in numbers module).
Pencil and paper.

MathSphere

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

UNDERSTANDING AND READING NUMBERS**Concepts**

hundreds	tens	units or ones
4	5	6

The number above is four hundred and fifty six

The digit **4** in the **hundreds** column has a value of **400**

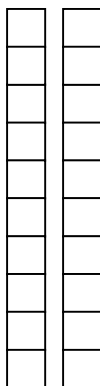
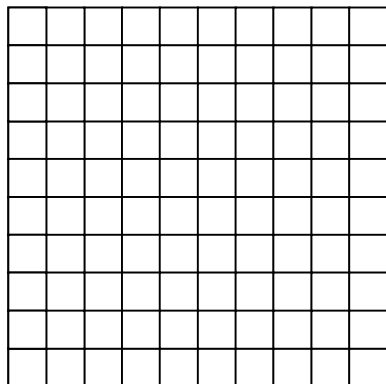
The digit **5** in the **tens** column has a value of **50**

The digit **6** in the **units** column has a value of **6**

In year 3 children are expected to be able to read and write numbers to at least 1 000 and understand what any digit in a three digit number represents.

There are diagrams on the next page to help with this. They may be photocopied and cut out if cubes or practical apparatus are not available.

As in year 2 plenty of practice at reading and writing numbers, using 0 to 9 cards is recommended.

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

HUNDRED	TEN	UNIT
1	2	3
one hundred and twenty three		
Try writing IN WORDS the numbers below:		
HUNDRED	TEN	UNIT
4	3	2
HUNDRED	TEN	UNIT
6	9	5

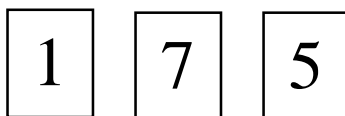
Using 0 to 9 cards**Explanation page:**

All the work on this page should be done orally. The activities below are examples which can be repeated many times. Children enjoy the success that repetition brings.

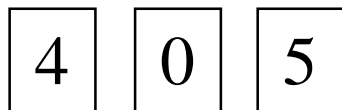
1. Find the cards that make four hundred and twenty three.
2. Find the cards that make six hundred and nine.
3. Find the cards which say two hundred and fifty six.
4. Find the cards which say nine hundred and sixty two.
5. Find a number in the four hundreds.
6. Find a number in the three hundred and fifties.
7. Find a bigger number than two hundred and nineteen.
8. Find a smaller number than nine hundred.

Then exchange cards.

9. What do these cards say?



10. What do these cards say?



and so on....

SPELLING

Some spellings to learn here:

Don't try and learn them all at once - a few at a time is best, starting with what you know..



one
three
five
seven
nine
eleven
thirteen
fifteen
seventeen
nineteen
thirty
fifty
seventy
ninety
thousand

two
four
six
eight
ten
twelve
fourteen
sixteen
eighteen
twenty
forty
sixty
eighty
hundred
digit

Try writing these in numbers:

1. Three hundred and fifty four

2. Six hundred and eighty five.

3. Four hundred and ninety.

4. Seven hundred and fifteen.

5. Five hundred and eight

Place value

units		
H	T	U
7	2	3

The number above is seven hundred and twenty three

The digit 7 is worth 700

The digit 2 is worth 20

The digit 3 is worth 3

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

1. 143

2. 264

3. 377

4. 503

5. 625

6. 725

7. 814

8. 547

9. 881

10. 628

11. 922

12. 835

13. 505

14. 376

15. 199

16. 888

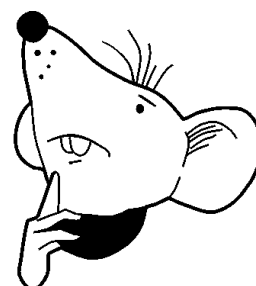
Hi!

Remember-

Hundreds

Tens

Units.



Place value

units		
H	T	U
8	1	4

The number above is eight hundred and fourteen

The digit 8 is worth 800

The digit 1 is worth 10

The digit 4 is worth 4

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

1. 175

2. 574

3. 467

4. 408

5. 905

6. 705

7. 823

8. 550

9. 483

10. 120

11. 125

12. 245

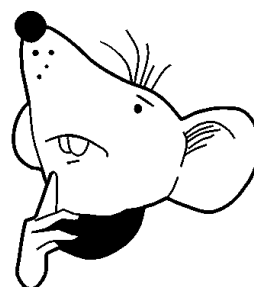
13. 106

14. 325

15. 289

16. 777

Getting
confident
with
these, I
hope!



Place value

$$345 = 300 + 40 + 5$$

What numbers need to go in the boxes below?

1. $635 = 600 + 30 +$

2. $418 = 400 +$ $+ 8$

3. $227 =$ $+ 20 + 7$

4. $518 = 500 +$ $+ 8$

5. $826 =$ $+ 20 + 6$

6. $999 = 900 +$ $+$



How many different HTU numbers can you make with the digits 2, 4 and 6?
How do you know when you've got them all?

Place value

$$789 = 700 + 80 + 9$$

What numbers need to go in the boxes below?

$$1. \quad 724 = 700 + 20 + \boxed{}$$

$$2. \quad 329 = 300 + \boxed{} + 9$$

$$3. \quad 336 = \boxed{} + 30 + 6$$

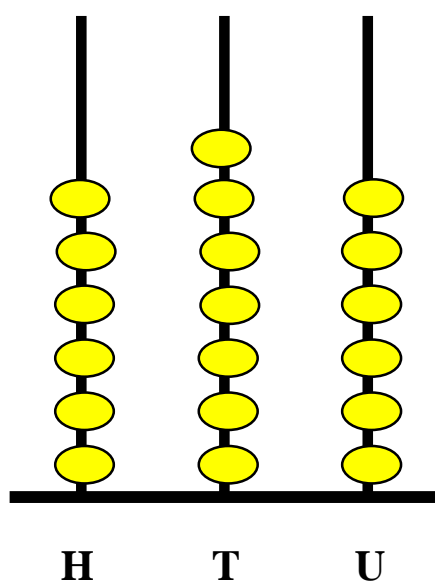
$$4. \quad 427 = 400 + \boxed{} + 7$$

$$5. \quad 915 = \boxed{} + 10 + 5$$

$$6. \quad 888 = 800 + \boxed{} + \boxed{}$$



How many different HTU numbers can you make with the digits 1, 5 and 9?
How do you know when you've got them all?

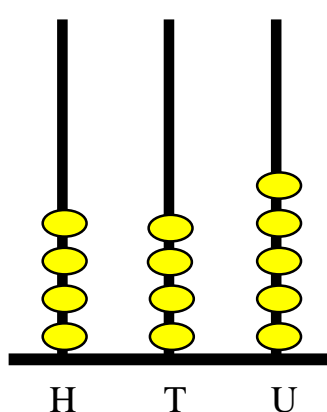
The abacus

This abacus shows 6 hundreds, 7 tens and 6 units.

The number is written 676

In words: six hundred and seventy six

Write down in numbers and words what the abacus shows for this:



Right - it's four
hundred
and....



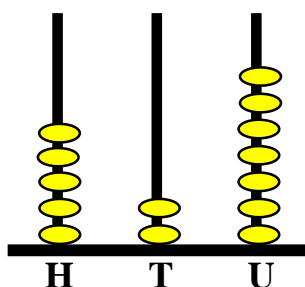
In numbers: ---- ---- ----

In words: -----

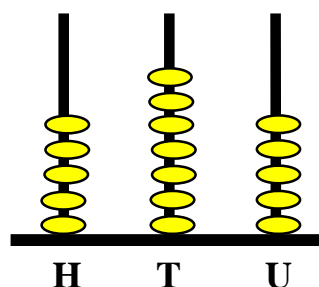
What numbers do these show?

Write the answers IN FIGURES and then IN WORDS.

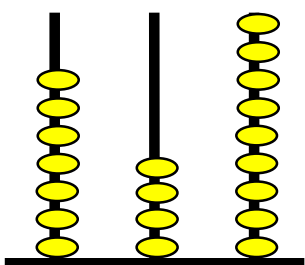
1.



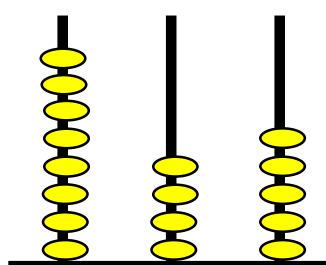
2.



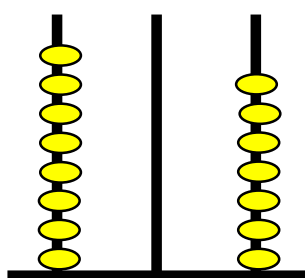
3.



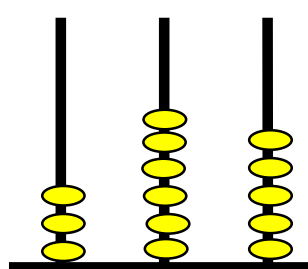
4.



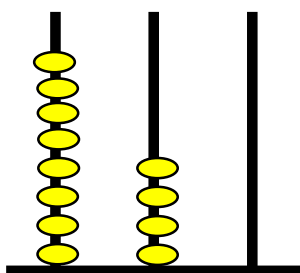
5.



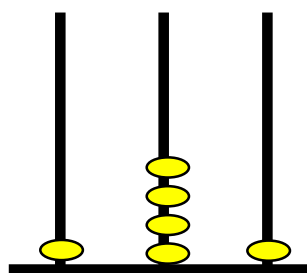
6.



7.



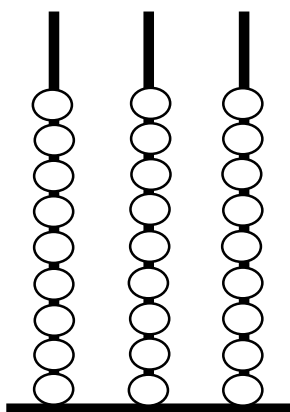
8.



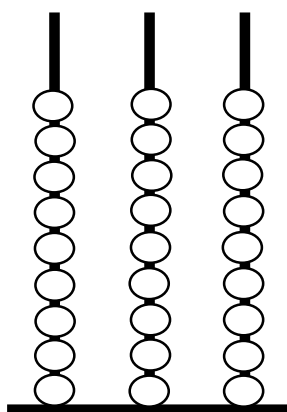
Abacus

Colour in the correct number of beads to make these numbers:

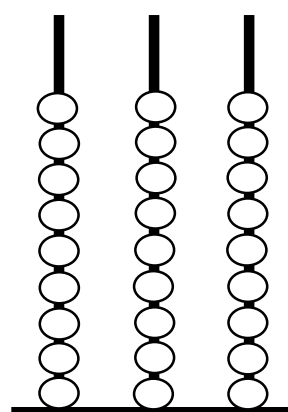
1. 268



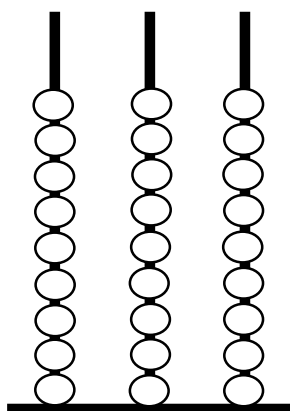
2. 513



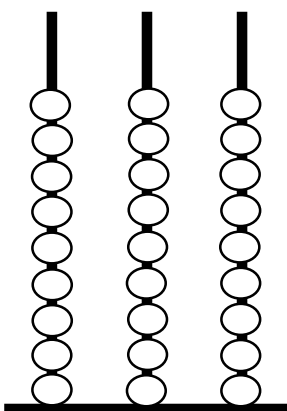
3. 233



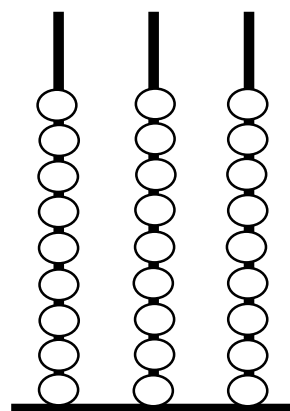
4. 317



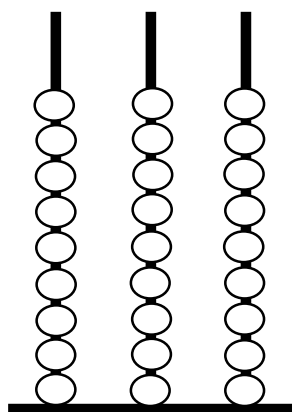
5. 409



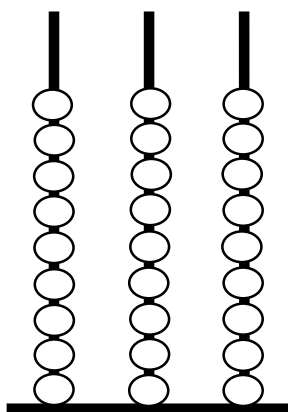
6. 154



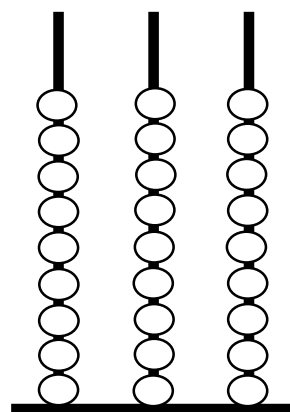
7. 391



8. 426



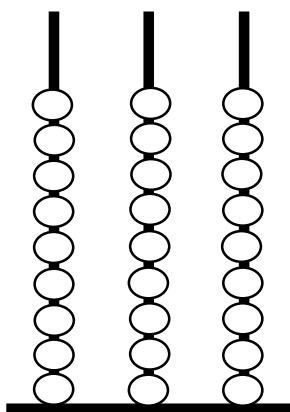
9. 172



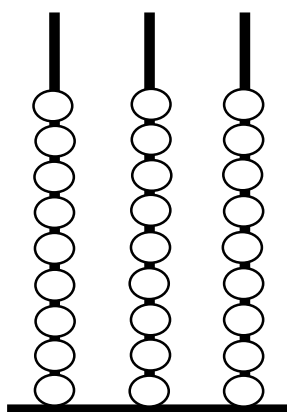
Abacus

Colour in the correct number of beads to make these numbers:

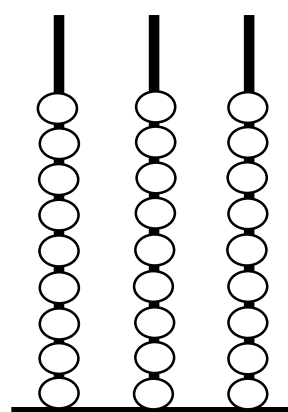
1. 374



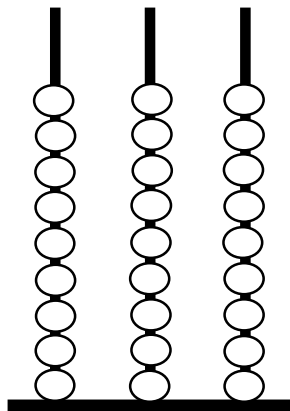
2. 209



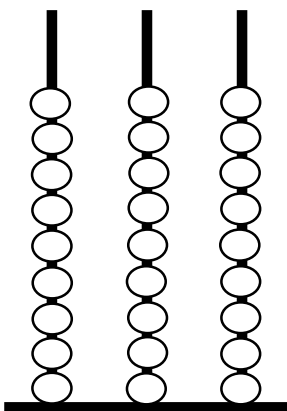
3. 144



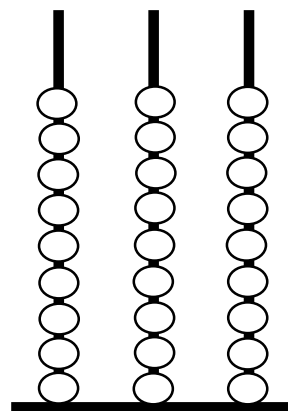
4. 715



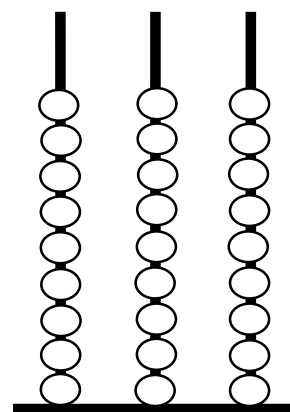
5. 320



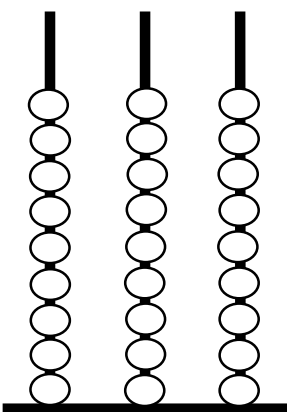
6. 654



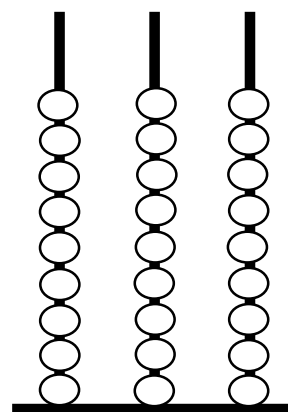
7. 345



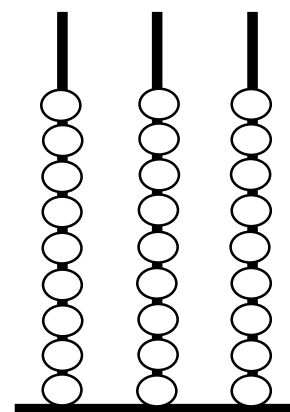
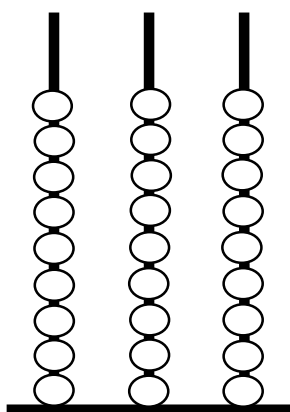
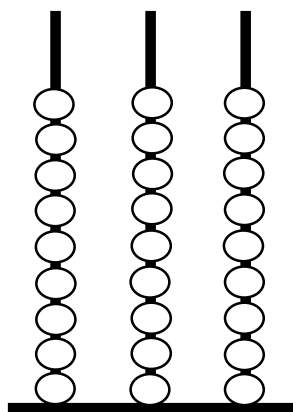
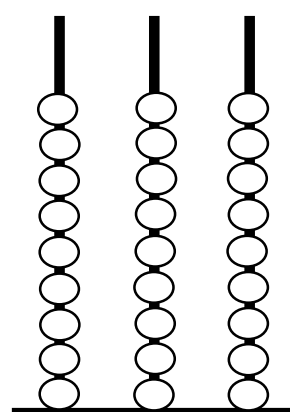
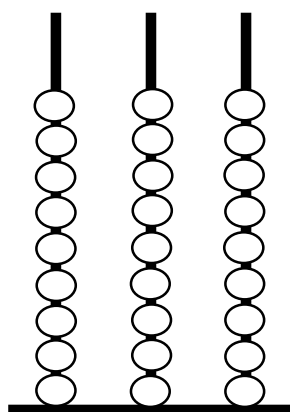
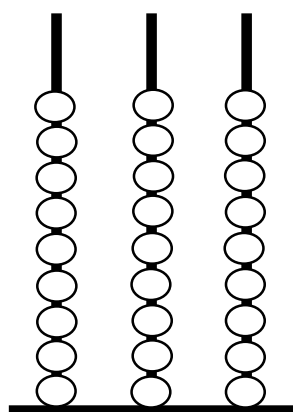
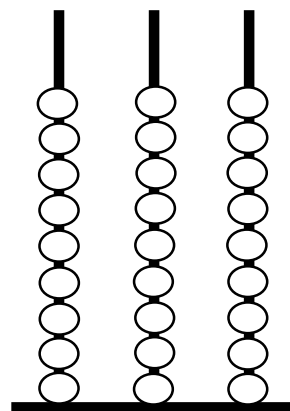
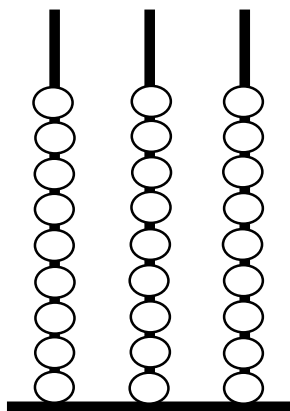
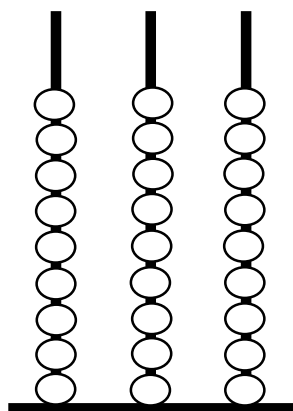
8. 678



9. 102



Abacus



ANSWERS**Page 3**

1. four hundred and thirty two
2. six hundred and ninety five

Page 5

1. 354 2. 685 3. 490 4. 715 5. 508

Page 6

1. 3 2. 60 3. 300 4. 3 5. 600 6. 700 7. 10 8. 40
9. 1 10. 600 11. 900 12. 30 13. 5 14. 70 15. 100 16. 80

Page 7

1. 5 2. 70 3. 400 4. 8 5. 900 6. 700 7. 20 8. 50
9. 3 10. 100 11. 5 12. 40 13. 6 14. 20 15. 200 16. 70

Page 8

1. 5 2. 10 3. 200 4. 10 5. 800 6. $90 + 9$
246, 264, 426, 462, 624, 642

Page 9.

1. 4 2. 20 3. 300 4. 20 5. 900 6. $80 + 8$
159, 195, 519, 591, 915, 951

Page 10

1. 445 four hundred and forty five

Page 11

- | | |
|--------------------------------------|--------------------------------------|
| 1. 527 five hundred and twenty seven | 2. 575 five hundred and seventy five |
| 3. 749 seven hundred and forty nine | 4. 845 eight hundred and forty five |
| 5. 807 eight hundred and seven | 6. 365 three hundred and sixty five |
| 7. 840 eight hundred and forty | 8. 141 One hundred and forty one |