

Number: Writing Numbers

Words are used to say numbers, but writing numbers in words is slow.

There are ten **digits** in our counting system.

0 1 2 3 4 5 6 7 8 9

These can be used to write all our numbers.

It's much quicker to write three hundred and ninety-seven as 397.



Practising Writing Numbers

1. Write these numbers using digits:

- a. fourteen
- b. twenty-seven
- c. fifty-eight
- d. one hundred and six
- e. four hundred and seventy-two
- f. five hundred and twenty-four
- g. six hundred and two
- h. three hundred and twenty
- i. four hundred and seventeen
- j. ninety

2. Write the distances from the Captain's Diary into the ship's log.
Write all the numbers in digits.

Captain's Diary of Distances Travelled	
2/4	<i>We had a good wind and travelled one hundred and sixty-five kilometres.</i>
3/4	<i>We spent today in port getting supplies. We'll be here tomorrow too.</i>
5/4	<i>We left port today and caught strong winds. We covered three hundred and seven kilometres.</i>
6/4	<i>Winds have dropped today. We travelled ninety-five kilometres.</i>
7/4	<i>Nearly home now. We travelled two hundred and thirty kilometres.</i>

SHIP'S		LOG	
Date			kms
	2/4		
	3/4		
	4/4		
	5/4		
	6/4		
	7/4		



3. Write these numbers in words.

- a. 89 _____
- b. 126 _____
- c. 540 _____

Number: Place Values

Digits can hold different **places** in a number. The place held by the digit changes its **value**.

Example: The number 472 is shown on a place value chart.

4 is in the **hundreds** place. Its value is 4 hundreds, which is 400.

7 is in the **tens** place. Its value is 7 tens, which is 70.

2 is in the **ones** place. Its value is 2 ones, which is 2.

Hundreds	Tens	Ones
4	7	2

Place Value Chart

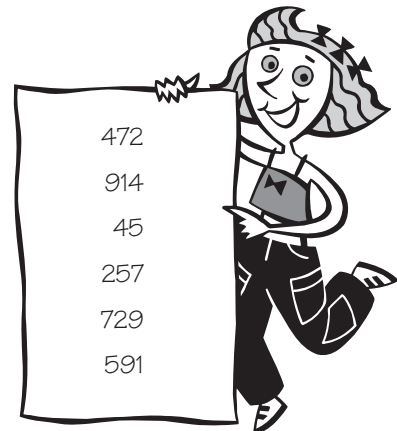
Practising Place Values

- Circle the digits in the tens place: 2 3 6 4 3 3 2 4 4 0 2 8 3
- Circle the digits in the ones place: 3 2 1 7 4 0 1 1 7 8 5 3 6
- Circle the digits in the hundreds place: 4 9 4 7 2 3 8 4 2 1 4 7 8 3 5
- Write each number in the place value chart. Then write down the value of the digit 3. One is done for you.

	Hundreds	Tens	Ones	
* 305	3	0	5	3 has a value of 300
a. 234				3 has a value of
b. 453				3 has a value of
c. 36				3 has a value of
d. 123				3 has a value of
e. 389				3 has a value of
f. 630				3 has a value of

- Choose the correct number from the list to make the sentences true.

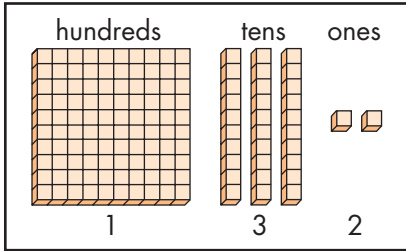
- In the number , 2 has a value of 200.
- In the number , 7 has a value of 70.
- In the number , 9 has a value of 9.
- In the number , 4 has a value of 40.
- In the number , 5 has a value of 500.
- In the number , 1 has a value of 10.



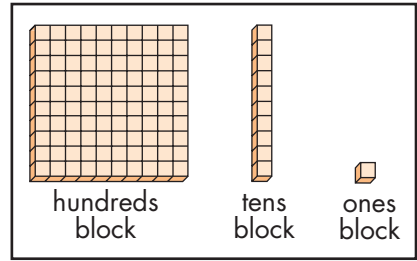
Number: Place Value Blocks

Numbers can be shown with **place value blocks**.

Example: The place value blocks used below are 1 hundred, 3 tens and 2 ones.



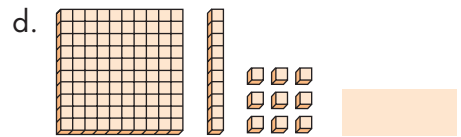
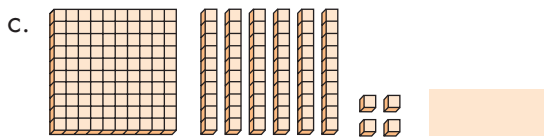
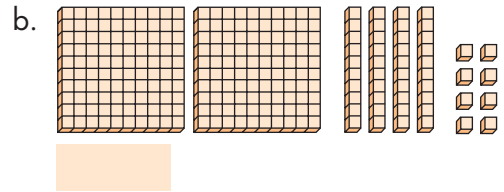
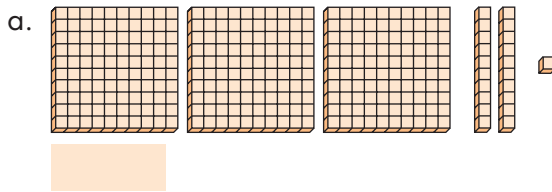
This is the number 132.



Place Value Blocks

Practising Place Value Blocks

1. What number do these place value blocks show?



2. Match numbers in words to numbers in digits and to the blocks. One is done for you.

<p>* four hundred and twenty-one</p> <p>a. three hundred and twelve</p> <p>b. one hundred and thirty-seven</p> <p>c. two hundred and forty-two</p> <p>d. three hundred and three</p> <p>e. one hundred and fifteen</p>	<p>137</p> <p>242</p> <p>303</p> <p>421</p> <p>115</p> <p>312</p>	
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Number: Ordering Numbers

When you count, you say the numbers in a definite **order**.
Can you count up to 100 without making a mistake?
(Ask someone older to check.)

Guess what!
I can count up to 100
in 3 seconds.
1, 2, miss a few,
99, 100.



Examples: 46 comes before 47
132 comes after 131
657 is ten more than 647 there are 5 tens in 657 and 4 tens in 647

Practising Ordering Numbers

1. This table shows the counting numbers from 1 to 100. Fill in the missing numbers, then answer the questions. What number is ...

1	2	3	4	5	6	7	8	9	10
11	12		14	15	16	17	18		20
	22	23	24	25	26	27	28	29	30
31	32	33		35	36		38	39	40
41	42	43	44	45	46	47		49	50
51	52	53	54		56	57	58	59	
61	62	63	64		66	67	68	69	70
71	72	73		75		77	78	79	80
81		83	84	85	86	87		89	90
	92	93	94		96	97		99	100

- one more than 24?
- one more than 40?
- one less than 61?
- one less than 70?
- ten more than 23?
- ten more than 48?
- ten less than 85?

2. Fill in the missing numbers on these pieces of number charts.

a.

111	112				116				120
121			124			127	128	129	
		133		135	136			139	
	142		144			147	148		150
151		153			156	157	158	159	
161	162	163	164				168	169	

b.

		67
	76	

3. Swap any two digits in these numbers to make a larger number. One is done for you.

- * 452 542 a. 316 b. 241
- c. 171 d. 308 e. 793

4. Write these numbers in order from smallest to largest.

- a. 23, 46, 31 b. 54, 45, 63
- c. 10, 31, 24 d. 746, 128, 530
- e. 431, 427, 414 f. 358, 367, 356