

# place value puzzles

In each puzzle, work out which number from the grid is being described.

## Puzzle 1

My number is not an integer.

My number has a 1 in the units column

My number is greater than thirty

My number is  $\neq$  31.3

My number has 1 in the hundredths column

1.01	301	31.1
3.1	3.101	31.3
30.1	31.01	1.03

## Puzzle 2

My number is less than eighteen thousand

My number is  $\neq$  180

My number is  $>$  18

My number has 8 in both the tens and tenths columns

180	18.01	1.81
0.18	1800	188
180.8	18180	18.8

## Puzzle 3

My number is  $\leq$  0.2

My number is  $\neq$  0.15

My number is greater than one tenth

My number has no hundredths

0.24	0.2	0.12
0.02	0.01	0.5
0.15	2.02	0.1

## Puzzle 4

My number is  $<$  44,000

My number is more than five thousand four hundred and fifty

My number is  $\neq$  5454

My number has 5 hundreds

My number is greater than fifteen thousand

14,500	15,501	45000
5401	5444	5454
14,534	4544	10,500

## Puzzle 5

What is the largest number that can be made by rearranging these cards?

1	2	4	.	8
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## Puzzle 6

What is the **smallest** number that can be made by rearranging these cards?

5	3	2	.	6
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## Puzzle 7

What is three thousand four hundred and six in figures?

## Puzzle 8

Write 1 million and eighty three in figures.

## Puzzle 9

Complete these statements using the symbols

$=$ ,  $>$ ,  $<$

0.40		0.400
0.35		0.300
0.2		0.25
1.5		1.05
1.8		1.80
0.01		0.1
0.99		0.999

**Puzzle 11**

Put these numbers in order of size,  
from smallest to largest

0.04, 0.4, 4.4, 1.4, 0.104

**Puzzle 12**

Write down the value of the figure 7  
in the number 5768

**0.2**

**0.24**

**0.28**

**Puzzle 14**

What is the next number in this sequence?

**0.16**

**0.13**

**0.1**

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Complete the missing numbers on these number lines:

