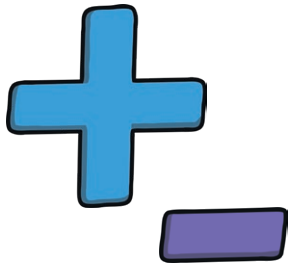


# Place Value Riddle Challenge Cards



1 2 3

Place Value Riddle Challenge Cards - Card 1



## What is the number?

- The number has three digits.
- The ones digit is double 4.
- The hundreds digit is an even number bigger than 5 but smaller than 7.
- The tens digit is half the ones digit.

Place Value Riddle Challenge Cards - Card 2



## What is the number?

- The number has three digits.
- The tens digit is less than 1.
- The ones digit is the number of sides of a triangle.
- The hundreds digit is the same as  $10 - 3$ .

Place Value Riddle Challenge Cards - Card 3



## What is the number?

- The number has three digits.
- The ones digit is an odd number bigger than 7.
- The tens digit is 5 less than 6.
- The hundreds digit is the same as the tens.



## What is the number?

- The number has four digits.
- The thousands digit is the number of days in a week.
- The ones digit is half of 12.
- The tens digit is the number of wheels on a bicycle.
- The hundreds digit is 2 less than the ones digit.



## What is the number?

- The number has four digits.
- The ones digit is an odd number less than 3.
- The tens digit is the same as  $5 + 3$ .
- The hundreds digit is a multiple of 3 less than 6.
- The thousands digit is the first number you would dial when calling an ambulance.



## What is the number?

- The number has four digits.
- The tens digit is the same as  $8 - 8$ .
- The thousands digit is seven more than the tens digit.
- The ones digit is the number of sides of a square.
- The hundreds digit is the same as the tens.



## What is the number?

- The number has four digits.
- The hundreds digit is the number of sides of a pentagon.
- The thousands digit is the same as  $20 \div 5$ .
- The tens digit is more than 0 but less than 2.
- The ones digit is the same as  $20 - 17$ .



## What is the number?

- The number has four digits.
- It is smaller than 6000 but bigger than 5000.
- The hundreds digit is smaller than 6 but bigger than 4.
- The tens digit is an odd number smaller than 7 but bigger than 3.
- The ones digit is in the 3 times table and is bigger than 6 but smaller than 10.



## What is the number?

- The number has three digits.
- The ones digit is 82 less than 91.
- The hundreds digit is an odd number which is bigger than 1 but smaller than 4.
- The tens digit is the same as  $6 + 3$ .



## What is the number?

- The number has five digits.
- The ten thousands digit is the same as the hundreds digit, and it is an odd number which can be divided by 3 to make 3.
- The thousands digit is bigger than 8.
- The ones digit is half the number of months in a year.
- The tens digit is smaller than 1.



## What is the number?

- The number has five digits.
- The thousands digit is number of fingers on one hand.
- The tens digit is the number of days in a week.
- The ones digit is half of 14.
- The hundreds digit is the first number you dial when you need to call a fire engine, an ambulance or the police.
- The ten thousands digit is  $2 + 4 + 2 - 7$ .



## What is the number?

- The number has three digits.
- It is smaller than 700 but bigger than 600.
- The tens digit is  $\frac{1}{3}$  of 9.
- The ones digit is double 4.



## What is the number?

- The number has four digits.
- The thousands digit is the same as 18 divided by 2.
- The hundreds digit is the same as 90 divided by 10.
- The ones digit is the same as  $3 \times 3$ .
- The tens digit is the same as  $100 - 91$ .



## What is the number?

- The number has five digits.
- The ones digit is an even number that is bigger than 6 but smaller than 9.
- The ten thousands digit is the same as 800 divided by 100.
- The hundreds digit is the same as  $2 \times 2 \times 2$ .
- The tens digit is half of 10.
- The thousands digit is the same as  $50 - 20 - 20 - 5$ .



## What is the number?

- The number has five digits.
- The ones digit is  $\frac{1}{4}$  of 32.
- The hundreds is the number of sides in a hexagon.
- The tens digit is an even number that is multiple of 2 and of 4 that is less than 6.
- The ten thousands digit is the smallest possible odd number.
- The thousands digit is the same as  $36 \div 12$ .



## What is the number?

- The number has five digits.
- The ten thousands digit is  $2^2$ .
- The hundreds digit is the number of sides in an octagon.
- The ones digit is 2 less than the tens digit.
- The thousands digit is the only even prime number.
- The tens digit is the same as the hundreds digit.



## What is the number?

- The number has six digits.
- The tens digit is  $3^2$ .
- The thousands digit is the number of people in a trio.
- The hundreds digit is the square root of 4.
- The ones digit is the number of wheels in a unicycle.
- The hundred thousands digit is  $\frac{1}{3}$  of 21. Please write this in fraction form.
- The ten thousands digit has no value.



## What is the number?

- The number has six digits.
- The ten thousands digit is  $\frac{1}{4}$  of the thousands digit.
- The ones digit is a multiple of both 3 and 9 but less than 18.
- The hundreds digit is the same as  $146 - 139$ .
- The thousands digit is 4 less than a dozen.
- The tens digit is the same as  $\frac{1}{3}$  of the number of months in a year.
- The hundred thousands is the cube root of 1.



## What is the number?

- The number has six digits.
- All the of the digits are odd.
- The thousands digit is bigger than 3 but less than 6.
- The tens digit represents the month of July.
- The hundreds digit is the same as  $270 \div 30$ .
- The ones digit is the number of angles in a triangle.
- The hundred thousands digit is  $\frac{1}{10}$  of 30.
- The ten thousands digit is  $\frac{1}{3}$  of the hundreds digit.



## What is the number?

- The number has seven digits.
- The millions digit is three times the ten thousands digit.
- The hundred thousands digit is the square root of 16.
- The ten thousands digit is 8 less than the ones digit.
- The thousands digit is 2 years less than a decade.
- The hundreds digit is  $\frac{1}{4}$  of two dozen.
- The tens digit is a prime number that is a factor of 30 and bigger than 4.
- The ones digit is largest possible digit.



## What is the number?

- The number has seven digits.
- It is smaller than 6 million but bigger than 5 million.
- The ones digit is the number of sides in a heptagon.
- The hundreds digit is cube root of 8.
- The ten thousands digit is the same as  $320 \div 40$ .
- The tens digit is the number of  $90^\circ$  angles in a circle.
- The thousands digit is  $\frac{1}{4}$  of the ten thousands digit.
- The hundred thousands digit is a factor of all numbers.

## What is the number? Answers



Card 1: 648

Card 2: 703

Card 3: 119

Card 4: 7426

Card 5: 9381

Card 6: 7004

Card 7: 4513

## What is the number? Answers



Card 1: 5559

Card 2: 399

Card 3: 99906

Card 4: 15977

Card 5: 638

Card 6: 9999

Card 7: 85858

## What is the number? Answers



Card 1: 13 648

Card 2: 42 886

Card 3: 703 291

Card 4: 128 749

Card 5: 335 973

Card 6: 3 418 659

Card 7: 5 182 247