Place Value

I can solve problems involving place value.

1. What is the value of the 5 in these numbers?

    532   935   250

    _____   _____   _____

2. Explain how you know.

    _____

    _____

    _____

Read and solve the questions. You may like to use a set of **0-9 Number Cards** to help you before writing your answer in the boxes.

3. Use 3 of the cards to create as many numbers that are more than 950.

4. Use 3 of the cards to create the largest possible number. You can only use each card once.

    _____

    What is the value of each digit?

    _____

5. Use 3 of the cards ti create the smallest possible number. You can only use each card once.

    _____

    What is the value of each digit?

    _____

Place Value

Solve the riddles using the clues. You may like to use a set of **0-9 Number Cards** to help you before writing your answer in the boxes.

The number has 3 digits.

The ones digit is 21 less than 25.

The hundreds digit is an odd number which is bigger than 1 but smaller than 4.

The tens digit is the same as 2 + 3.

What is the number?

The number has 3 digits.

The tens digit is the number of fingers on 1 hand.

The hundreds digit is half the number of months in a year.

The ones digit is 8 - 1.

What is the number?

The number has 3 digits.

The tens digit is the number of days in a week.

The ones digit is the first number you dial when you need to call an ambulance.

The hundreds digit is half of 2.

What is the number?

9. Can you write your own riddle for a partner to solve?

Answers

1. 532 = *5 hundreds*
   935 = *5 ones*
   250 = *5 tens*

2. Child's own answer.

3. Any numbers from 951 - 999.

4. *987.*

   9 hundreds, 8 tens and 7 ones.

5. *102*

   1 hundred, 0 tens and 2 ones.

6. *354*

7. *657*

8. *179*

Place Value

I can solve problems involving place value.

Solve the riddles using the clues.

1. The number has 3 digits.
   The ones digit is 82 less than 91.
   The hundreds digit is an odd number that is bigger than 1 but smaller than 4.
   The tens digit is the same as 5 + 2.
   What is the number?

   Can you write the number in words? _____

2. The number has 3 digits.
   The tens and ones digits are the same, and it is an even number which can be divided by 2 to make 4.
   The hundreds digit is half the number of months in a year.
   What is the number?

   Can you write the number in words? _____

3. The number has 3 digits.
   The tens digit is the number of fingers on 1 hand.
   The hundreds digit is the number of days in a week.
   The ones digits is half of 16.
   What is the number?

   Can you write the number in words? _____

Place Value

4. The number has 3 digits.
   The ones digit is the first number you dial when you need to call an ambulance.
   The hundreds digit is double 3.
   The tens digit is half of the hundreds digit.
   What is the number?

   Can you write the number in words? _____

5. The number has 3 digits.
   It is smaller than 800 but bigger than 700.
   The tens digit is the same as 10 + 2 - 6.
   The ones digit is the same as 10 - 2 - 4.
   What is the number?

   Can you write the number in words? _____

6. The number has 3 digits.
   The tens digit is 10 less than 15.
   The hundreds digit is the same as 2 × 2 × 2.
   The ones digits is half of 2.
   What is the number?

   Can you write the number in words? _____

7. The number has 3 digits.
   The tens digit is the same as 45 - 44
   The ones digit is 1 less than the tens digit.
   The hundreds digit is the same as number of wheels on a car.
   What is the number?

   Can you write the number in words? _____

8. On the back of this sheet, can you write your own riddle for a partner to solve?

Answers

1. **379**
   Three hundred and seventy-nine

2. **688**
   Six hundred and eighty-eight

3. **758**
   Seven hundred and fifty-eight

4. **639**
   Six hundred and thirty-nine

5. **764**
   Seven hundred and sixty-four

6. **851**
   Eight hundred and fifty-one

7. **410**
   Four hundred and ten

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Maths | Year 3 | Number and Place Value | Solve Problems | Lesson 2 of 6: The Drop

Place Value

I can solve problems involving place value.

1. Solve the riddle:
   The number has 3 digits.
   The hundreds digit is 178 less than 185.
   The ones digit is same as 2 × 2 × 2.
   The tens digit is the same as half of 10.
   What is the number?

2. Create numbers where the digit sum is 7. Write how many hundreds, tens
   and ones each number has, e.g. 214: 2 hundreds, 1 ten and 4 ones.

3. Create 3-digit numbers where the tens digit is 1 less than the hundreds digit.
   What is the largest and smallest numbers you can make that follow this rule?

Answers

I can solve problems involving place value.

1. *758*

2. Multiple answers.

3. Multiple answers. 989 is the largest number you can make that follow the rule and 100 is the smallest number.