

Name: _____

Place Value: Digit Challenges

Directions: Use only the digits in the box to answer the questions. Each digit may be used only one time per answer - you cannot repeat digits.

Digits

1 2 3 4 5

1. What is the largest 3-digit number you can make with the digits in the box? _____
2. What is the smallest 4-digit number you can make? _____
3. What is the largest 2-digit odd number you can make? _____
4. What is the smallest 4-digit odd number you can make? _____
5. What is the largest three-digit number you can make with a 2 in the hundreds place? _____
6. What is the largest 4-digit number you can make with a 2 in the hundreds place? _____
7. What is the smallest 2-digit number you can make with a 5 in the tens place? _____
8. Subtract the smallest 3-digit number you can make from the largest 4-digit number you can make.
Show your work below and write the answer on the line. _____
9. Find the sum of the largest three-digit number and the largest two digit number you can make.
Show your work below and write the answer on the line. _____

Name: _____

ANSWER KEY

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Digits

1 2 3 4 5

1. What is the largest 3-digit number you can make with the digits in the box? **543**
2. What is the smallest 4-digit number you can make? **1,234**
3. What is the largest 2-digit odd number you can make? **53**
4. What is the smallest 4-digit odd number you can make? **1,235**
5. What is the largest three-digit number you can make with a 2 in the hundreds place? **254**
6. What is the largest 4-digit number you can make with a 2 in the hundreds place? **5,243**
7. What is the smallest 2-digit number you can make with a 5 in the tens place? **15**
8. Subtract the smallest 3-digit number you can make from the largest 4-digit number you can make.
Show your work below and write the answer on the line. **5,309**

$$\underline{5,432} - \underline{123} = \underline{5,309}$$

9. Find the sum of the largest three-digit number and the largest two digit number you can make.
Show your work below and write the answer on the line. **597**

$$\underline{543} + \underline{54} = \underline{597}$$