

Name: \_\_\_\_\_ Date: \_\_\_\_\_

MA.4.NSO.1.1

## Show What You Know (Page 1)

1 Michelle writes the number 15,743. Jason thinks of a number where the value of the digit 7 in his number is 10 times greater than the value of the digit 7 in Michelle's number. Which of the following could be Jason's number?

- (A) 15,437
- (B) 15,473
- (C) 17,543
- (D) 71,543

2 Write a number where the value of the digit 3 is  $\frac{1}{10}$  the value of the digit 3 in 4,321.

3 Which of the following shows a number where the digit 8 is 10 times less than the value of the 8 in 913,812?

- (A) 913,128
- (B) 913,281
- (C) 913,812
- (D) 913,218

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## Show What You Know (Page 2)

4 Select all statements that are true.

- A The value of the digit 4 in 4,180 is 10 times less than the value of the digit 4 in 41,280.
- B The value of the digit 6 in 20,618 is 10 times greater than the value of the digit 6 in 20,186.
- C The value of the digit 9 in 90 is 10 times greater than the value of the digit 9 in 900.
- D The value of the digit 7 in 713,940 is 10 times greater than the value of the digit 7 in 71,394.

5 Kyle reads 1,568 pages this month. Next month, he wants to set a goal where the value of the digit 6 is ten times greater. He says if he reads 1,586 pages, he will meet his goal.

Describe Kyle's error. What would be a better number of pages he could set to meet his goal? Explain your thinking.

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