Name: ANSWER KEY Date: _____

MA.4.NSO.I.1

# Show What You Know (Page 1)

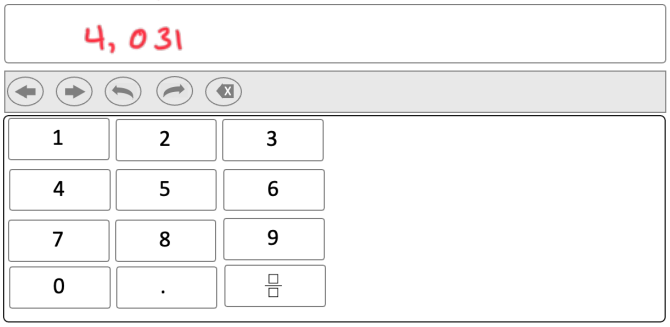
**1** Michelle writes the number 15,743. Jason thinks of a number where value of the digit 7 in his number is 10 times greater than the value of the digit 7 in Michelle's number. Which of the follow could be Jason's number?

Ⓐ 15,437
Ⓑ 15,473
Ⓒ 17,543
Ⓓ 71,543

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

Any number where the 3 is in the tens place.

Sample answer




**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?

Ⓐ 913,128
Ⓑ 913,281
Ⓒ 913,812
Ⓓ 913,218

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# Show What You Know (Page 2)

**4** Select all statements that are true.

- [x] The value of the digit 4 in 4,180 is 10 times less than the value of the digit 4 in 41,280.
- [ ] The value of the digit 6 in 20,618 is 10 times greater than the value of the digit 6 in 20,186. × 100 times greater
- [ ] The value of the digit 9 in 90 is 10 times greater than the value of the digit 9 in 900. × 10 times less
- [x] 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.

Fill in the blanks to make the statement true.

Kyle is [ ⇕ ] because [ ⇕ ]

[ ⇕ ] options: correct / incorrect

[ ⇕ ] options: the digit 6 in 1,586 is ten times less than the digit 6 in 1,568. / the digit 6 in 1,586 is ten times greater than the digit 6 in 1,568.