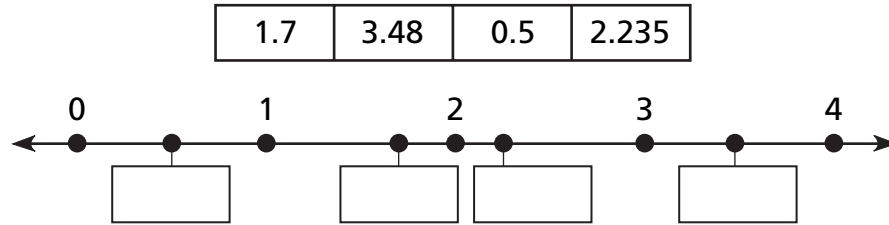


Investigating Decimals

NCTM Standards 1, 2, 7, 8, 9, 10

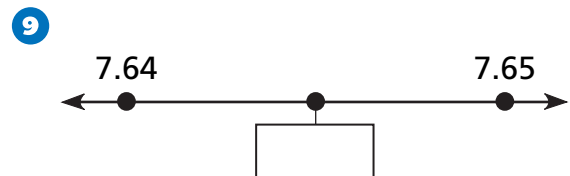
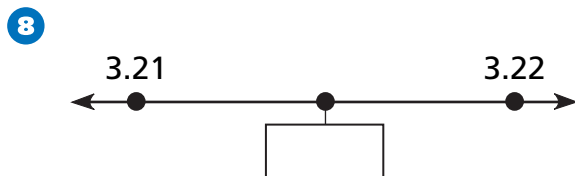
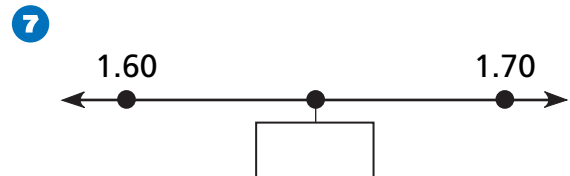
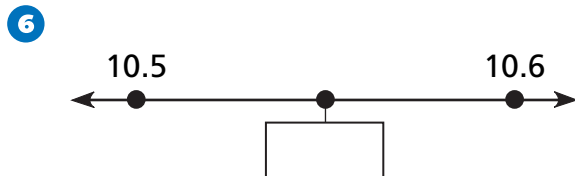
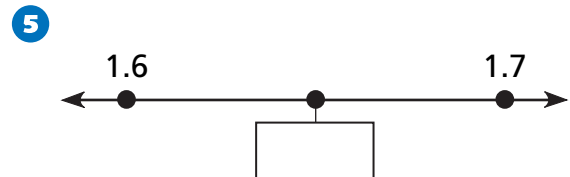
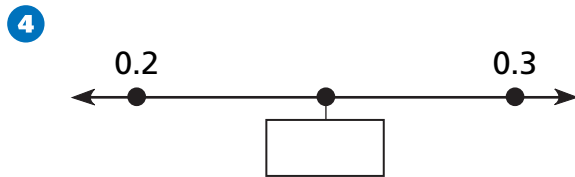
1 Locate each decimal on the number line.



Write any number between the two numbers.

2 9 103 3.2 3.3

Write the decimal that is halfway between the two decimals.



Write any number that is between the two numbers.

10 0.8
[]
0.9

11 3.3
[]
3.4

12 9.12
[]
9.13

13 7.36
[]
7.40

14 56.27
[]
56.31

15 100.62
[]
100.635



16 Explain how you know that the number you wrote for Problem 10 is correct. Use pictures, numbers, or words to explain your answer.

Circle the smaller number in each pair.

17 4.6 4.9

18 10.03 10.3

19 6.60 6.599

20 12.2 12.25

21 8.26 8.3

22 4.3 4.301



23 **Challenge** Put dots on the number line to show the approximate locations of 2.93 and 2.97. Write the numbers next to the dots. Tell why you put them where you did.