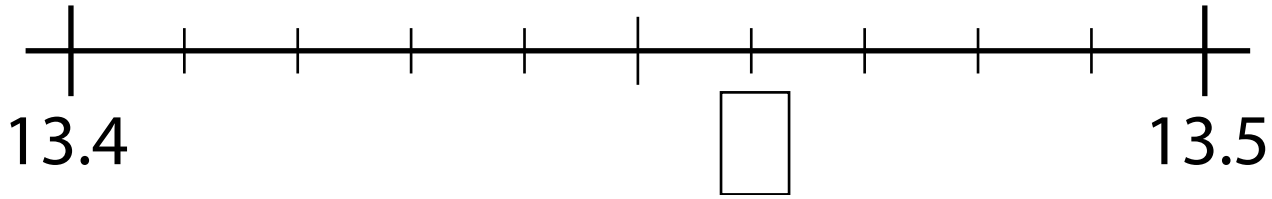
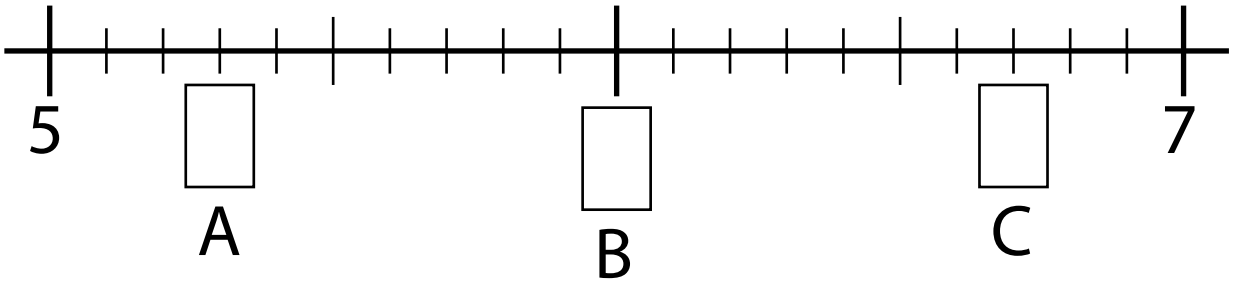
Decimals on Number Lines, Comparing Decimals, Rounding Decimals

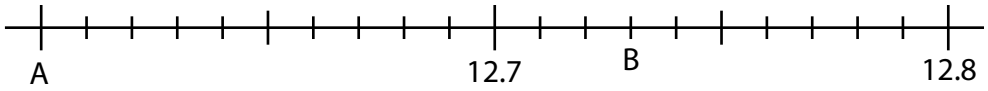
1. Which number should go in the box?



2. Which number should go in box A? In box B? In box C?



3. Refer to the number line below.



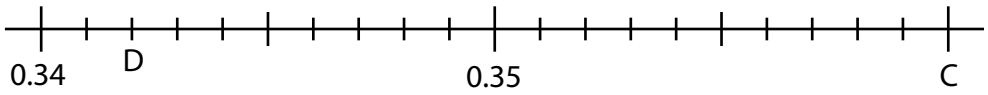
(a) Write the number at A as a decimal. _____

(b) Write the number at A as a mixed number. _____

(c) Write the number at B as a decimal. _____

(d) Write the number at B as a mixed number. _____

4. Refer to the number line below.



(a) Write the number at C as a decimal. _____

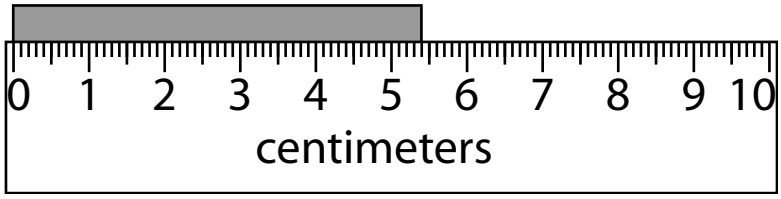
(b) Write the number at C as a fraction. _____

(c) Write the number at D as a decimal. _____

(d) Write the number at D as a fraction. _____

5. Find the length of the shaded strip below in centimeters and in millimeters.

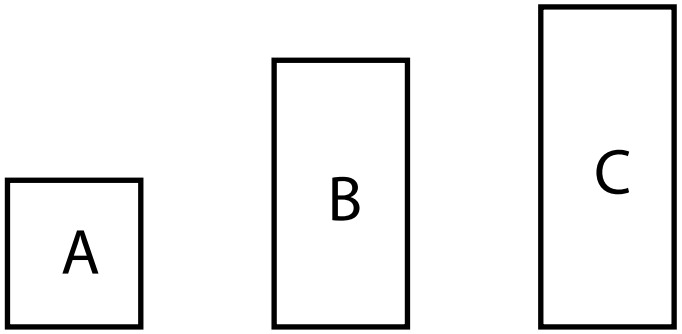
   Centimeters: _____ Millimeters: _____



6. Which distance is longer, 5.1 miles or 4.95 miles? _____

   Show how you can tell.

7. Match the juice containers A, B, C to the following amounts: 1 liter, .55 liters, 1.2 liters.



8. Which is more gasoline, 3 gallons or 1.35 gallons? _____

   Show how you can tell.

9. Which is heavier, 3.625 pounds or 3.7 pounds?

10. Which number is greater, 13.46 or 13.5? Why?

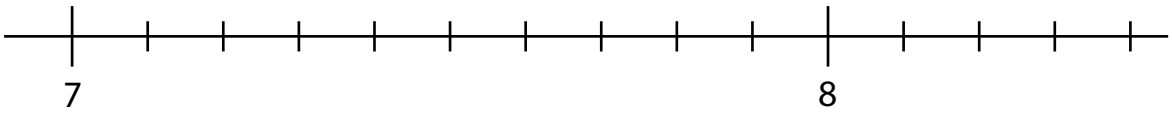
11. Give two numbers that are between 7.8 and 7.9.

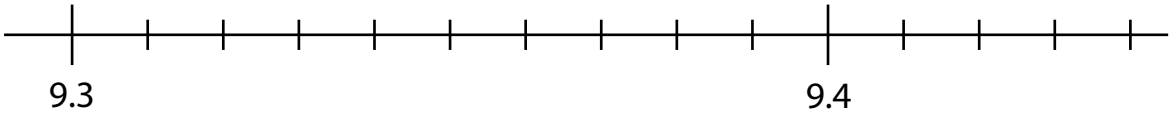
    Example 1: _____ Example 2: _____

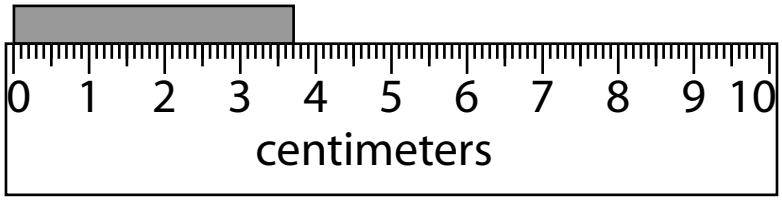
12. There are between 17 and 18 ounces of cereal in a box. How many ounces of cereal could be in the box? Give two possible answers.

13. A bug weighs between 4.2 and 4.3 grams. What could the bug weigh? Give two possible answers.

14. Label the unlabeled tick marks on the number lines.







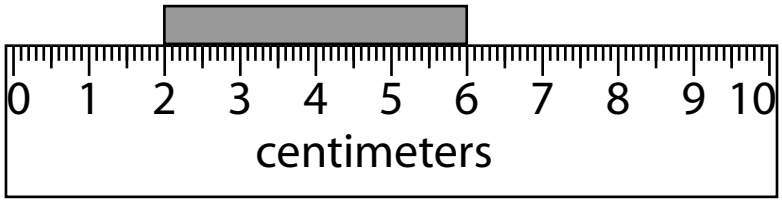
15. Find the length of the shaded strip in centimeters and in millimeters.

    Centimeters: _____ Millimeters: _____

16. Measure the length of the line below. Give your answer in centimeters and in millimeters.

    Centimeters: _____ Millimeters: _____

17. How long is the shaded strip below? Answer: _____



18. Put the numbers 1.73, 2.9 and 3.916 into the correct blanks below.

    _____ is between 2 and 3

    _____ is between 1.7 and 1.8

    _____ is between 3.91 and 3.92

19. Bug A weighs 2.7 grams. Bug B weighs 2.64 grams. Which bug weighs more? _____

20. Which is more juice, 0.85 liters of juice or 1.1 liters of juice? _____

21. Which distance is shorter, 3 miles or 1.75 miles?

22. There are between 1.3 liters and 1.4 liters of water in a container. How much water could be in the container? Give two examples.

    Example 1: _____ Example 2: _____

23. If gas costs \$1.839 per gallon, round the price of gas to the nearest hundredth. _____

24. Round 1.7892 to the nearest thousandth. _____

25. Round 3.7415 to the nearest tenth. _____