Round decimals

1. Here are some number cards.

   27  61  49  83

   a) Draw arrows to estimate the position of the numbers on the number line.

   27  49  83

   b) Use the numbers to complete the sentences.

   \[
   \begin{align*}
   4.9 & \text{ is closer to 5 than 4} \\
   2.7 & \text{ is closer to 3 than 2} \\
   8.3 & \text{ is closer to 8 than 9} \\
   6.1 & \text{ is closer to 6 than 7}
   \end{align*}
   \]

2. Here are some number cards.

   2.7  6.1  4.9  8.3

   a) Draw arrows to estimate the position of the numbers on the number line.

   2.7  4.9  6.1  8.3

   b) Use the numbers to complete the sentences.

   \[
   \begin{align*}
   4.9 & \text{ is closer to 5 than 4} \\
   2.7 & \text{ is closer to 3 than 2} \\
   8.3 & \text{ is closer to 8 than 9} \\
   6.1 & \text{ is closer to 6 than 7}
   \end{align*}
   \]

3. Fill in the integers on the number lines.

   a)

   \[
   \begin{array}{cccccccc}
   7.1 & 7.2 & 7.3 & 7.4 & 7.5 & 7.6 & 7.7 & 7.8 & 7.9 & 8
   \end{array}
   \]

   b)

   \[
   \begin{array}{cccccccc}
   3.1 & 3.2 & 3.3 & 3.4 & 3.5 & 3.6 & 3.7 & 3.8 & 3.9 & 4
   \end{array}
   \]

4. Which integers do the numbers lie between?

   Fill in the boxes to make the statements correct.

   a) \[
   \begin{array}{c}
   1 < 1.4 < 2
   \end{array}
   \]

   b) \[
   \begin{array}{c}
   34 < 34.8 < 35
   \end{array}
   \]

   c) \[
   \begin{array}{c}
   0 < 0.7 < 1
   \end{array}
   \]
5 a) Label 4.3 on the number line.

Is it closer to 4 or 5?

b) Label 12.8 on the number line.

Is it closer to 12 or 13?

6 Complete the number lines and sentences.

a) 

Is closer to than 

Is closer to than 

b) 

Is closer to than 

Is closer to than 

7 Which numbers round up to the nearest whole number? Circle your answers.

4.1 2.8 0.7 12.3 0.5 99.3

8 Round each decimal to the nearest whole number.

a) 1.8 b) 4.2 c) 0.9 d) 1.5 e) 13.7 f) 20.1 g) 0.4 h) 99.8

9 Ron is rounding 8.2 to the nearest whole number. Do you agree with Ron? No

Explain your answer.

10 Tommy is thinking of a number that has one decimal place. When he rounds his number to the nearest whole, the answer is 32

What number could Tommy be thinking of? 32.1

Are there any other answers?