Ordering/number lines

6 questions | 10 marks

Equivalent correct methods earn the corresponding marks.

1. Insert $<$, $>$ or $=$: $0.8 \; ? \; 0.75$. [1 mark]

Eight tenths is eighty hundredths, more than seventy-five hundredths.

Answer: $>$

2. Insert $<$, $>$ or $=$: $0.50 \; ? \; 0.5$. [1 mark]

A trailing zero does not change the value.

Answer: $=$

3. Order 0.306, 0.36 and 0.063 from smallest to largest. [2 marks]

Compare 63, 306 and 360 thousandths.

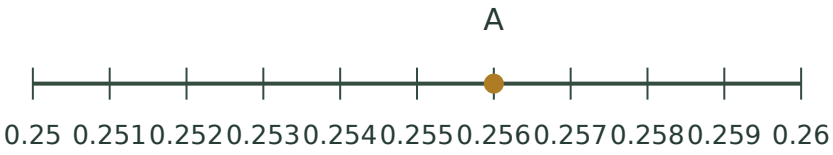
Answer: $0.063 < 0.306 < 0.36$

4. A line from 0.4 to 0.5 has ten equal intervals. What value is at the third tick after 0.4? [2 marks]

Each interval is one hundredth. Three hundredths after 0.40 is 0.43.

Answer: 0.43

5. Point A is shown on the number line. Write its decimal value. [2 marks]



Each interval is 0.001. Six intervals after 0.250 is 0.256.

Answer: 0.256

6. Two toy cars travel 0.709 metre and 0.79 metre. Which travels farther? Explain using equal decimal places. [2 marks]

Write 0.79 as 0.790.

790 thousandths is greater than 709 thousandths.

Answer: The car travelling 0.79 metre.