Decimals and percentages topic test

Name: _____ Date: _____

12 questions | 25 marks | 30 minutes

Place value through thousandths, ordering and number lines, then familiar fraction-decimal-percentage connections.

No calculator needed.

1. In 4.026, what place is the digit 2 in? [1 mark]

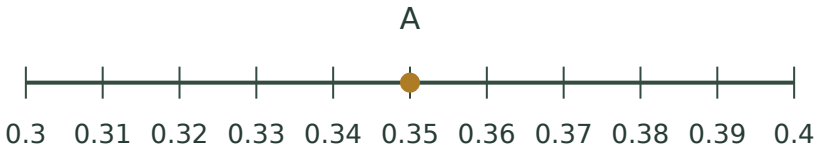
2. Write four hundred and seven thousandths as a decimal. [1 mark]

3. Write $2 + \frac{5}{10} + \frac{9}{1000}$ as one decimal. [2 marks]

4. Are 0.60 and 0.6 equal? Give a place-value reason. [2 marks]

5. Order 0.507, 0.57 and 0.057 from smallest to largest. [2 marks]

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



7. Write $\frac{1}{4}$ as a decimal and percentage. [2 marks]

8. Write $\frac{3}{4}$ as a decimal and percentage. [2 marks]

9. Write 20% as a fraction in simplest form and as a decimal. [2 marks]

10. Which is greater, 0.125 or 0.12? How many thousandths greater is it? [3 marks]

11. Ari walks 0.8 km, Bo walks 0.75 km and Cia walks 0.805 km. List their names from shortest distance to longest distance. [3 marks]

12. A design has 100 equal tiles. Twenty-five percent are red and fifty percent are blue. The rest are green. How many tiles are green? Show your reasoning. [3 marks]