Year 4 Decimals topic test

12 questions | 20 marks | 30 minutes

A hand-written review that begins with familiar representations and builds to explanation and practical problems.

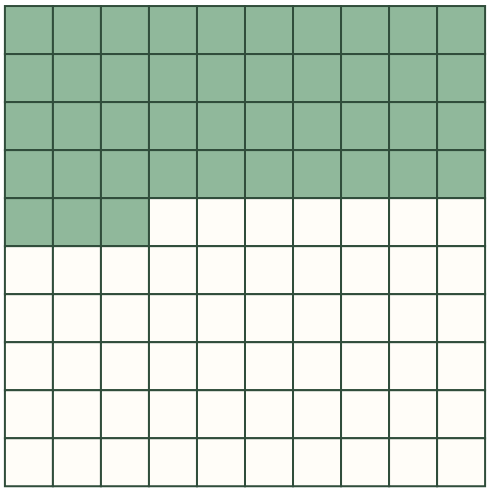
Equivalent correct methods earn the corresponding marks.

1. Write two tenths as a decimal. [1 mark]

Two tenths means a 2 in the tenths column.

Answer: 0.2

2. Write the shaded amount as a decimal. [1 mark]



The full grid is one whole

The complete grid is one whole and forty-three hundredths are shaded.

Answer: 0.43

3. Forty hundredths equals how many tenths? [1 mark]

Ten hundredths make one tenth; forty make four tenths.

Answer: 4 tenths.

4. Write the decimal shown in the chart. [1 mark]

Ones	Tenths	Hundredths
2	0	9

There are 2 ones, 0 tenths and 9 hundredths.

Answer: 2.09

5. Write 0.03 in words. [1 mark]

The 3 is in the hundredths column.

Answer: Three hundredths.

6. Which is greater, 0.7 or 0.68? Explain. [2 marks]

Rename 0.7 as 0.70; seventy hundredths is greater than sixty-eight hundredths.

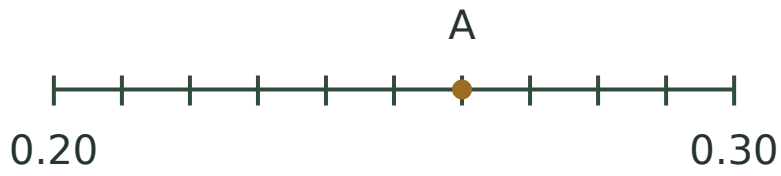
Answer: 0.7

7. Write $\frac{4}{5}$ as a decimal. [2 marks]

Four fifths equal eight tenths.

Answer: 0.8

8. Read point A on the number line. [2 marks]



The interval from 0.20 to 0.30 is ten hundredths long.

Each small space is one hundredth; A is six spaces after 0.20.

Answer: 0.26

9. Order 0.09, 0.9, 0.19 and 0.1 from least to greatest. [2 marks]

In hundredths the amounts are 9, 90, 19 and 10; order them as 9, 10, 19, 90.

Answer: $0.09, 0.1, 0.19, 0.9$

10. A student says 0.5 and 0.50 are different because one has more digits. Explain why this is wrong. [2 marks]

Five tenths equals fifty hundredths; a final zero does not add any amount.

Answer: They are equal.

11. A ribbon is 0.45 m long. Write this length as hundredths of a metre, then as a fraction of a metre. [2 marks]

The two decimal places mean hundredths; there are forty-five of them.

Answer: 45 hundredths of a metre; $\frac{45}{100}$ m.

12. A card has 0.04 written on it. Show this amount in two different ways, and explain why both are correct. [3 marks]

Both representations describe four of one hundred equal parts of the same whole.

Answer: For example, $\frac{4}{100}$ and a hundred-grid with four squares shaded.