

Grade 4 · Decimal Fractions and Decimal Notation · Test Answer Key

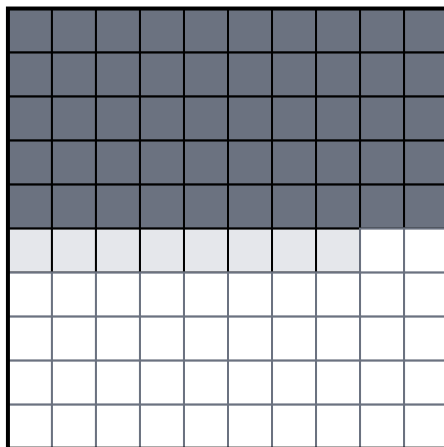
Common Core 4.NF.C.5, 4.NF.C.6, 4.NF.C.7 · mathovore.fr

Use this key to score the test out of 20 points. Each solution shows the work expected, and the scoring note explains how partial credit is given. Accept equivalent forms such as 0.2 and 0.20.

Grade 4 Common Core: 4.NF.C.5 · 4.NF.C.6 · 4.NF.C.7

Question 1: Shaded grid (2 points)

- a. $\frac{58}{100}$.
- b. 0.58.



5 tenths + 8 hundredths = 58 hundredths.

Scoring: 1 point for each part.

Question 2: Fractions to decimals (2 points)

- a. **0.7**
- b. **0.07**

Scoring: 1 point for each part. Give no point if the digit is in the wrong place.

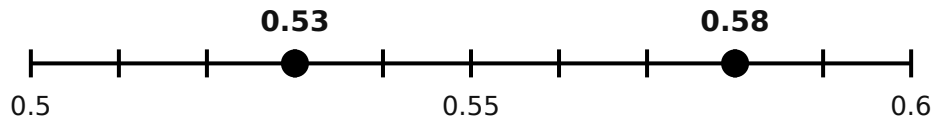
Question 3: Decimals to fractions (2 points)

- a. $\frac{3}{10}$
- b. $\frac{46}{100}$

Scoring: 1 point for each part. The denominator must match the place of the last digit.

Question 4: Decimals on a number line (2 points)

- a. Each step is 0.01, so A is **0.53**.
- b. B is 8 steps after 0.5: **0.58**.



A is 0.53 and B is 0.58.

Scoring: 1 point for each point.

Question 5: Adding fractions (2 points)

- a. $\frac{60}{100} + \frac{7}{100} = \frac{67}{100} = \mathbf{0.67}$
- b. $\frac{40}{100} + \frac{35}{100} = \frac{75}{100} = \mathbf{0.75}$

Scoring: 1 point for each part: 0.5 for renaming the tenths, 0.5 for the correct sum.

Question 6: Compare decimals (2 points)

- a. $0.70 > 0.69$: **>**
- b. $0.08 < 0.10$: **<**

Scoring: 1 point for each correct symbol with correct reasoning.

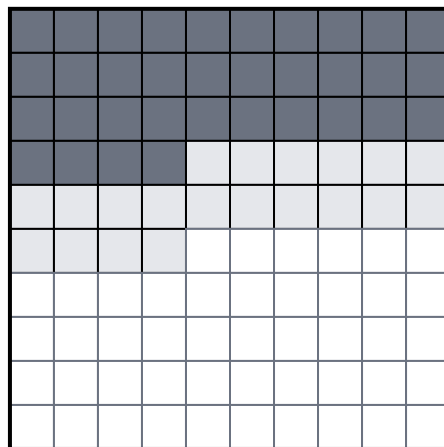
Question 7: Rainfall (3 points)

- a. As hundredths: 0.40, 0.35, 0.04. The order is **0.04, 0.35, 0.4**.
- b. $\frac{4}{10} + \frac{35}{100} = \frac{40}{100} + \frac{35}{100} = \frac{75}{100}$. **0.75 inch**.

Scoring: Part a: 2 points for the correct order, 1 point if only one number is out of place. Part b: 1 point.

Question 8: Garden squares (3 points)

- a. $\frac{34}{100} = \mathbf{0.34}$.
- b. Two full rows are shaded: $\frac{20}{100} = \frac{2}{10} = \mathbf{0.2}$.
- c. $\frac{34}{100} + \frac{20}{100} = \frac{54}{100} = \mathbf{0.54}$.



$$34 + 20 = 54 \text{ squares.}$$

Scoring: 1 point for each part. In part b, 0.5 for the fraction and 0.5 for the decimal.

Question 9: Place value (2 points)

- The 6 is in the tenths place: **6 tenths, or 0.6.**
- $4.63 = 4 + \frac{6}{10} + \frac{3}{100}$

Scoring: 1 point for each part. Both blanks must be correct in part b.

Total
20 points