

Grade 4 - Tenths, Hundredths and Decimal Notation - Test Answer Key

Common Core 4.NF.C.5, 4.NF.C.6, 4.NF.C.7 · maths-pdf.fr/en/

Use this answer key and scoring guide to grade the decimals test. Each solution shows the place value work, and the scoring notes explain partial credit out of 20 points.

Grade 4 · Common Core State Standards: **4.NF.C.5, 4.NF.C.6, 4.NF.C.7**

Question 1 - Grid fractions [2 pts]

3 full columns is 30 squares and 8 more squares: 38 squares.

$$\frac{38}{100} = 0.38$$

Scoring: 1 point for the fraction; 1 point for the decimal.

Question 2 - Fractions to decimals [2 pts]

(a) 9 tenths is 0.9. (b) 56 hundredths is 0.56.

(a) 0.9 (b) 0.56

Scoring: 1 point for each part.

Question 3 - Hundredths fractions [2 pts]

(a) $0.7 = \frac{7}{10} = \frac{70}{100}$. (b) $\frac{3}{10} = \frac{30}{100}$.

(a) $\frac{70}{100}$ (b) $\frac{30}{100}$

Scoring: 1 point for each part.

Question 4 - Add tenths and hundredths [2 pts]

$$\frac{6}{10} = \frac{60}{100}$$

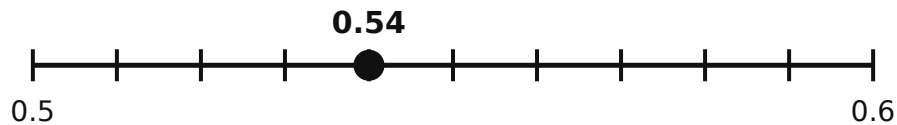
$$\frac{60}{100} + \frac{25}{100} = \frac{85}{100}$$

$$\frac{85}{100} = 0.85$$

Scoring: 1 point for rewriting the tenths as hundredths; 1 point for the sum.

Question 5 - Zoomed number line [2 pts]

(a) P is 4 small marks after 0.5, so 0.54.



P is at 0.54.

(b) 0.54 is greater than 0.50.

(a) 0.54 (b) $0.54 > 0.5$

Scoring: 1 point for each part.

Question 6 - Compare decimals [2 pts]

(a) $0.3 = 0.30$. (b) $0.1 = 0.10$, and 9 hundredths is less than 10 hundredths.

(a) $0.3 = 0.30$ (b) $0.09 < 0.1$

Scoring: 1 point for each part.

Question 7 - Order and expand [3 pts]

(a) In hundredths: 0.80, 0.08, 0.88, 0.70. Order: 0.08, 0.70, 0.80, 0.88.

(b) 0.88 is 8 tenths and 8 hundredths.

(a) 0.08, 0.7, 0.8, 0.88 (b) $\frac{8}{10} + \frac{8}{100}$

Scoring: (a) 2 points for the correct order, 1 point if two decimals are swapped; (b) 1 point.

Question 8 - School store [3 pts]

(a) \$0.35 is $\frac{35}{100}$ of a dollar.

(b) $\frac{35}{100} + \frac{40}{100} = \frac{75}{100}$, which is \$0.75.

(c) $1.00 - 0.75 = 0.25$.

Pencil	Eraser	Total
☐ \$0.35	☐ \$0.40	☐ \$0.75

The total is \$0.75.

(a) $\frac{35}{100}$ (b) \$0.75 (c) \$0.25

Scoring: 1 point for each part.

Question 9 - Liam's claim [2 pts]

Write 0.4 as 0.40. Then compare 40 hundredths and 38 hundredths: 40 is greater.

Liam is not correct. $0.4 > 0.38$

Scoring: 1 point for saying he is not correct; 1 point for an explanation that uses the same place value.

Total
20 points