

Grade 4 - Tenths, Hundredths and Decimal Notation - Quiz

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

Name: _____ Class: _____ Date: ____/____/____

Choose the best answer for each of the 10 questions on tenths, hundredths and decimals.
Read the explanation after each question to learn from any mistake.

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

Questions

Question 1

Which decimal equals $\frac{3}{10}$?

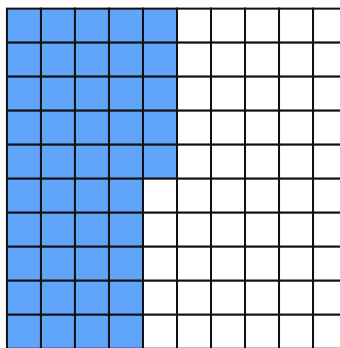
- A. 0.03
- B. 3.10
- C. 0.3
- D. 0.13

Question 2

Which fraction equals $\frac{7}{10}$?

- A. $\frac{7}{100}$
- B. $\frac{17}{100}$
- C. $\frac{70}{100}$
- D. $\frac{70}{10}$

Question 3



A grid with 45 of 100 squares shaded.

Which decimal names the shaded part?

- A. 4.5
- B. 0.045
- C. 0.54
- D. 0.45

Question 4

What is $\frac{3}{10} + \frac{4}{100}$ as a decimal?

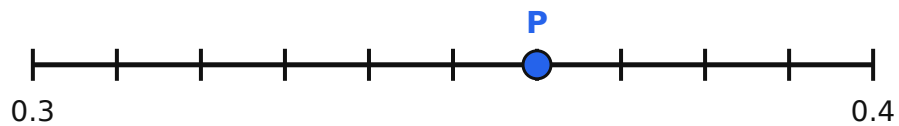
- A. 0.34
- B. 0.7
- C. 0.43
- D. 3.4

Question 5

Which decimal is greatest?

- A. 0.5
- B. 0.45
- C. 0.38
- D. 0.09

Question 6



A number line from 0.3 to 0.4 with small marks every 0.01.

Which decimal is point P?

- A. 0.63
- B. 0.36
- C. 0.6
- D. 3.6

Question 7

Which statement is true?

- A. $0.4 > 0.38$
- B. $0.4 < 0.38$

C. $0.4 = 0.38$

D. $0.38 > 0.4$

Question 8

What is the value of the digit 8 in 3.58?

- A. 8 tenths
- B. 8 hundredths
- C. 8 ones
- D. 80 tenths

Question 9



Three dimes and four pennies.

How much money is shown?

- A. \$3.04
- B. \$0.34
- C. \$0.07
- D. \$0.70

Question 10

Mei jumped 4.2 feet and Liam jumped 4.19 feet. Who jumped farther?

- A. Liam, because 19 is greater than 2
- B. They jumped the same distance
- C. Liam, because 4.19 has more digits
- D. Mei, because 4.20 is greater than 4.19

Answers

1. **C** – 3 tenths is 0.3. The hundredths place is the second digit, so 0.03 is 3 hundredths.
2. **C** – Multiply the top and bottom by 10 to get $\frac{70}{100}$.
3. **D** – 45 of 100 squares are shaded, so 45 hundredths = 0.45.
4. **A** – $\frac{3}{10} = \frac{30}{100}$, and $\frac{30}{100} + \frac{4}{100} = \frac{34}{100} = 0.34$. Adding $3 + 4 = 7$ forgets the place values.
5. **A** – $0.5 = 0.50$, which is greater than 0.45. A longer decimal is not always greater.
6. **B** – P is 6 small marks after 0.3, so it is 0.36.
7. **A** – $0.4 = 0.40$, which is greater than 0.38.
8. **B** – The second digit after the decimal point is the hundredths place.
9. **B** – 3 dimes = 30 cents and 4 pennies = 4 cents, so 34 cents = \$0.34.
10. **D** – Write 4.2 as 4.20. Then 20 hundredths is greater than 19 hundredths.

Remember

- One tenth = 10 hundredths, so $3/10 = 30/100$.
- The first digit after the decimal point is tenths and the second is hundredths.
- To add tenths and hundredths, rewrite the tenths as hundredths first: $3/10 + 4/100 = 34/100 = 0.34$.
- Compare decimals by writing them to the same place: $0.4 = 0.40$, which is greater than 0.38.
- Money is hundredths of a dollar: a dime is \$0.10 and a penny is \$0.01.