

Grade 5 · Reading, Comparing and Rounding Decimals · Test

Common Core 5.NBT.A.3, 5.NBT.A.4 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

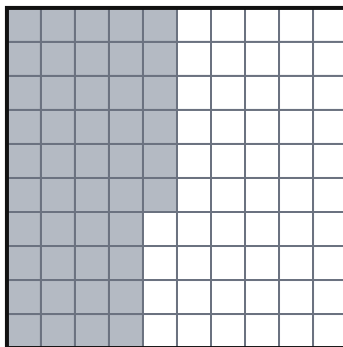
This test covers reading, writing, comparing and rounding decimals to thousandths (5.NBT.A.3 and 5.NBT.A.4). It has 8 questions worth 20 points in total. Show your work and write answers as decimals unless a question asks for words.

Test information

- **Grade:** Grade 5
- **Chapter:** Reading, Comparing and Rounding Decimals
- **Common Core:** 5.NBT.A.3, 5.NBT.A.4
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 3 pts; Question 3: 2 pts; Question 4: 3 pts; Question 5: 2 pts; Question 6: 3 pts; Question 7: 2 pts; Question 8: 3 pts)

Question 1: Reading and writing decimals (2 points)

Use the grid for part (a).



Hundredths grid.

- Write the decimal shown by the shaded part and its name in words. (1 point)
- Write "nine and eight hundredths" as a decimal. (1 point)

Question 2: Expanded form (3 points)

The chart shows 36.409.

Tens	Ones	tenths	hundredths	thousandths
3	6	4	0	9

Place-value chart for 36.409.

- Write 36.409 in expanded form using fractions. (2 points)
- Write the value of the 4 as a decimal. (1 point)

Question 3: Decimal from expanded form (2 points)

Write $5 \times 10 + 3 \times 1 + 2 \times \frac{1}{100} + 7 \times \frac{1}{1000}$ as a decimal.

Question 4: Comparing decimals (3 points)

Write $<$, $>$ or $=$ in each blank.

- $0.58 ? 0.6$ (1 point)
- $14.205 ? 14.25$ (1 point)
- $7.30 ? 7.300$ (1 point)

Question 5: Ordering decimals (2 points)

Write the numbers from least to greatest: 4.09, 4.9, 4.089, 4.091.

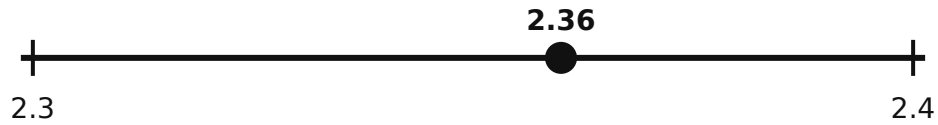
Question 6: Rounding 5.748 (3 points)

Round 5.748 to each place.

- the nearest whole number (1 point)
- the nearest tenth (1 point)
- the nearest hundredth (1 point)

Question 7: Rounding on a number line (2 points)

The point on the number line is 2.36.



A point between 2.3 and 2.4.

- a. Round 2.36 to the nearest tenth. (1 point)
- b. Explain how you know which tenth is closer. (1 point)

Question 8: Swim times (3 points)

Three swimmers finish a 50-yard race in 31.08 seconds, 31.8 seconds and 31.075 seconds.

- a. Which time is the fastest? (1 point)
- b. Round each time to the nearest tenth of a second. (2 points)