

# Grade 5 - Reading, Comparing and Rounding Decimals - Worksheet

Common Core 5.NBT.A.3, 5.NBT.A.4 · [maths-pdf.fr/en/](https://maths-pdf.fr/en/)

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

These 20 problems practice reading, writing, comparing and rounding decimals to the thousandths (Common Core 5.NBT.A.3 and 5.NBT.A.4). You will use word form, standard form and expanded form, compare with the symbols  $<$ ,  $>$  and  $=$ , and round to the nearest whole number, tenth, hundredth and thousandth.

The last six problems are word problems about sports, money and weights. Line up the places before you compare.

**Grade 5** · Common Core State Standards: **5.NBT.A.3, 5.NBT.A.4**

## Exercise 1 - Decimals to words

Write each decimal in word form.

- a. 0.6
- b. 0.09
- c. 0.215
- d. 4.07

## Exercise 2 - Words to decimals

Write each number in standard form.

- a. five and twelve hundredths
- b. three hundred four thousandths
- c. eight tenths
- d. twenty-one and six thousandths

## Exercise 3 - Value of a digit

The chart shows 4.371. Write the place and the value of the digit 7. Then find the value of the

5 in 8.005.

| Tens | Ones |   | Tenths | Hundredths | Thousandths |
|------|------|---|--------|------------|-------------|
|      | 4    | . | 3      | 7          | 1           |

The number 4.371.

#### Exercise 4 - Expanded form with fractions

Write 3.482 in expanded form using fractions.

#### Exercise 5 - Expanded form with decimals

Write 5.126 in expanded form using decimals.

#### Exercise 6 - Expanded form to standard form

Write each number in standard form.

- a.  $4 \times 10 + 2 \times 1 + 3 \times \frac{1}{10} + 6 \times \frac{1}{1000}$
- b.  $9 \times 1 + 7 \times 0.01$

#### Exercise 7 - Compare with symbols

Write <, > or = in each blank. The bars show the first pair.

- a. 0.45 ? 0.5
- b. 3.2 ? 3.20
- c. 0.308 ? 0.38
- d. 12.09 ? 12.1

0.45



0.5



Bars for 0.45 and 0.5.

### Exercise 8 - Compare more decimals

Write  $<$ ,  $>$  or  $=$  to compare.

- a.  $6.071$  ?  $6.07$
- b.  $0.9$  ?  $0.09$
- c.  $5.55$  ?  $5.505$
- d.  $0.7$  ?  $0.07$

### Exercise 9 - Order decimals

Order from least to greatest:  $0.62, 0.6, 0.062, 0.602, 0.26$ .



Use the line to help.

### Exercise 10 - Round to the whole number

Round to the nearest whole number.

- a.  $6.4$
- b.  $12.5$
- c.  $0.89$
- d.  $9.51$

### Exercise 11 - Round to the tenth

Round to the nearest tenth.

- a.  $3.47$
- b.  $0.82$
- c.  $5.95$
- d.  $12.049$

### Exercise 12 - Round to the hundredth

Round to the nearest hundredth.

- a. 4.638
- b. 0.075
- c. 9.994
- d. 2.305

### Exercise 13 - Round to the thousandth

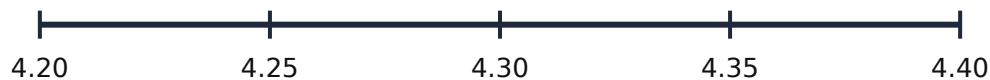
Round to the nearest thousandth.

- a. 3.14159
- b. 0.0824
- c. 7.9996

### Exercise 14 - Which round to 4.3?

Circle every number that rounds to 4.3 when rounded to the nearest tenth:

4.25, 4.34, 4.26, 4.35, 4.29.



The number line from 4.20 to 4.40.

### Exercise 15 - 60-yard dash

In Little League tryouts, Jamal runs the 60-yard dash in 8.37 seconds. Liam runs it in 8.4 seconds. Who is faster? Explain.



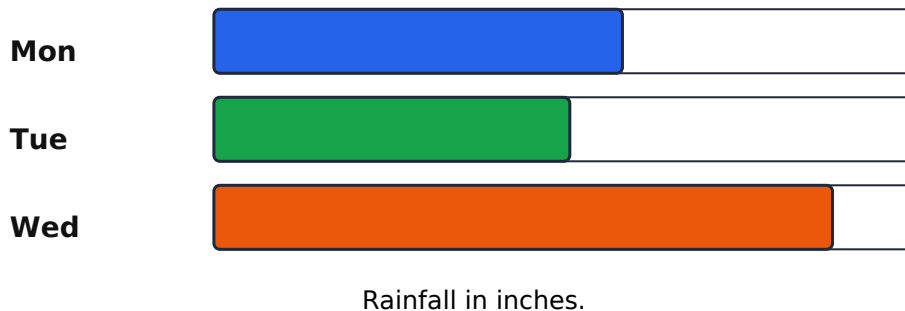
The two times.

### Exercise 16 - Gas price

Gas costs \$3.499 per gallon at a station. Round the price to the nearest cent and to the nearest dollar.

### Exercise 17 - Rainfall

Rainfall was 0.35 inch on Monday, 0.305 inch on Tuesday and 0.53 inch on Wednesday. List the days from least to most rain.



### Exercise 18 - Pumpkin weight

Aisha's pumpkin weighs 12.846 pounds. Round the weight to the nearest tenth of a pound and to the nearest pound.

### Exercise 19 - Ethan's mistake

Ethan says that 0.6 is less than 0.58 because 6 is less than 58. Explain his mistake and compare the numbers correctly.

### Exercise 20 - Flour bags

Sofia has four bags of flour that weigh 2.5 lb, 2.05 lb, 2.55 lb and 2.505 lb. (a) List the weights from heaviest to lightest. (b) Round the heaviest weight to the nearest tenth. (c) Which two weights round to 2.5 lb?