Decimals to Thousandths

Read, Write, Compare and Round

Standard form, expanded form and place-value charts

Compare and order; round to hundredths

26 pages | 40 practice items | Complete worked keys

TOUCHSTONE STANDARDS

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TOUCHSTONE STANDARDS

Grade 5 Decimals to Thousandths

Georgia's K-12 Mathematics Standards

5.NR.4.1

Read and write decimal numbers to the thousandths place using base-ten numerals written in standard form and expanded form.

5.NR.4.2

Represent, compare, and order decimal numbers to the thousandths place based on the meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.

5.NR.4.3

Use place value understanding to round decimal numbers to the hundredths place.

Page map: practice / key / element

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Read and write by place

Expanded sums use whole place-units and fractions 1/10, 1/100, 1/1000, with no exponents or decimal units. Charts run from millions to thousandths; the heavy divider marks the decimal point. Keys show zero terms; accept equivalent omitted-zero forms unless asked to show them.

Compare and round

Align places; compare the first different digits. Equal values may reverse tied labels. Lines show ten thousandth gaps between adjacent hundredths. Round to the nearer endpoint; at the midpoint choose the greater hundredth. Keys keep two decimal places; accept equivalent numerals.

Use the packet

Inputs reach 2,999,999.999; rounded results can reach 3,000,000.00. These are packet limits. Rounding stories ask for sample number lines. Page 13 spells PLACES, with extra T for the Spotlight. Story letters label the displayed givens. No decimal-operation or word-form writing tasks are included.

Follow Touchstone Standards on TPT for new resources. After using the packet, an honest review helps us improve.

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Compare with Place Value

Name: _____

Write <, > or = between A and B. Explain using the first place where digits differ.

Strategy Spotlight

A: 4,090.607 **B:** 4,090.670

A < B

First different place: hundredths.
A has 0; B has 7.

9. Compare:

A: 7.083 **B:** 7.038

Chain: _____

Explain:

10. Compare:

A: 0.604 **B:** 0.640

Chain: _____

Explain:

11. Compare:

A: 25,006.409

B: 25,006.490

Chain: _____

Explain:

12. Compare:

A: 1,340,020.157

B: 1,339,999.982

Chain: _____

Explain:

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Answer Key: Compare with Place Value

Student page 7

Write <, > or = between A and B. Explain using the first place where digits differ.

Strategy Spotlight

A: 4,090.607 **B:** 4,090.670

A < B

First different place: hundredths.
A has 0; B has 7.

9. Compare:

A: 7.083 **B:** 7.038

A > B

First different place: hundredths.
A has 8; B has 3.

10. Compare:

A: 0.604 **B:** 0.640

A < B

First different place: hundredths.
A has 0; B has 4.

11. Compare:

A: 25,006.409

B: 25,006.490

A < B

First different place: hundredths.
A has 0; B has 9.

12. Compare:

A: 1,340,020.157

B: 1,339,999.982

A > B

First different place: ten thousands.
A has 4; B has 3.

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Round on *a* Number Line

Name: _____

Round to hundredths. Choose the nearer endpoint; *at* the midpoint, choose the greater hundredth.

◆ Strategy Spotlight

3.465 — **Round to hundredths.**

Thousandths digit: 5.
At midpoint; choose upper.

Rounded: **3.47**

21. Round to hundredths:

0.372



Answer: ☐

Explain:

22. Round to hundredths:

4.586



Answer: ☐

Explain:

23. Round to hundredths:

6.245



Answer: ☐

Explain:

24. Round to hundredths:

19.997



Answer: ☐

Explain:

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Answer Key: Round on *a* Number Line

Student page 10

Round to hundredths. Choose the nearer endpoint; at the midpoint, choose the greater hundredth.

Strategy Spotlight

3.465

Round to hundredths.

Thousandths digit: 5.
At midpoint; choose upper.

Rounded: **3.47**

21. Round to hundredths:

0.372



0.37

Thousandths digit: 2.
Below midpoint; choose lower.

22. Round to hundredths:

4.586



4.59

Thousandths digit: 6.
Above midpoint; choose upper.

23. Round to hundredths:

6.245



6.25

Thousandths digit: 5.
At midpoint; choose upper.

24. Round to hundredths:

19.997



20.00

Thousandths digit: 7.
Above midpoint; choose upper.

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