



Rounding decimals

GRADE 5 MATH

Name _____

Date _____

For every question, write the two numbers you are choosing between and their midpoint before you answer. One skill: **rounding decimals**.

WORKED EXAMPLE

Rounding asks **which two** you fall between and **which you are nearer**. For 3.548 to the nearest tenth: between 3.5 and 3.6, midpoint 3.55, and 3.548 is below it — so **3.5**. Always round the **original** number, **once**: rounding in stages (3.548 to 3.55 to 3.6) gives a digit a vote it should not have, and both steps look correct. Keep the place you rounded to — 0.96 to the nearest tenth is **1.0**, not 1. And exactly halfway, like 12.5, is rounded up by **agreement**, not because it is nearer.

1. Round 0.749 to the nearest tenth, and 6.284 to the nearest hundredth.
Write the two candidates and the midpoint for each.

APPLICATION

Show your thinking

Answer

2. Round 3.548 to the nearest whole number, to the nearest tenth, and to the nearest hundredth.

FLUENCY

Show your thinking

Answer

3. Kai rounds 3.548 to the nearest tenth like this: 3.548 becomes 3.55, and 3.55 becomes 3.6. Both of his steps are correct. Explain why 3.6 is still the wrong answer.

REASONING

Show your thinking

Answer

4. Round 0.96 to the nearest tenth. Then explain why the answer should not be written as just 1.

REASONING

Show your thinking

Answer