

Luna's Space Adventure

Name _____

Grade 5 • Rounding decimals • 5.NBT.A.4

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Round it Look one place to the right of the place you're rounding to.

97.758 to the nearest whole number

36.972 to the nearest hundredth

58.831 to the nearest whole number

28.141 to the nearest tenth

42.395 to the nearest hundredth

59.232 to the nearest hundredth

72.124 to the nearest whole number

26.640 to the nearest tenth

83.367 to the nearest whole number

11.420 to the nearest whole number

24.207 to the nearest whole number

55.614 to the nearest tenth

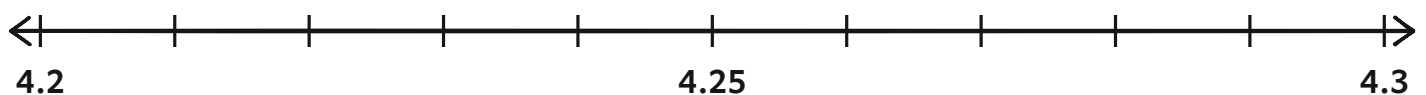
59.466 to the nearest whole number

31.229 to the nearest hundredth

42.781 to the nearest hundredth

55.943 to the nearest hundredth

Closer to which tenth? Mark 4.21. Which tenth is it closer to?



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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Round it Look one place to the right of the place you're rounding to.

97.758 to the nearest whole number

98

36.972 to the nearest hundredth

36.97

58.831 to the nearest whole number

59

28.141 to the nearest tenth

28.1

42.395 to the nearest hundredth

42.40

59.232 to the nearest hundredth

59.23

72.124 to the nearest whole number

72

26.640 to the nearest tenth

26.6

83.367 to the nearest whole number

83

11.420 to the nearest whole number

11

24.207 to the nearest whole number

24

55.614 to the nearest tenth

55.6

59.466 to the nearest whole number

59

31.229 to the nearest hundredth

31.23

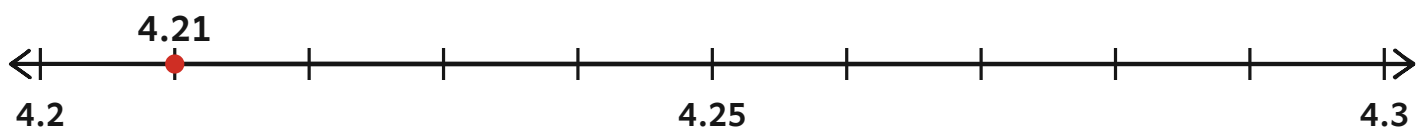
42.781 to the nearest hundredth

42.78

55.943 to the nearest hundredth

55.94

Closer to which tenth? Mark 4.21. Which tenth is it closer to?



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GUIDE

① What this sheet practises

Rounding decimals to the nearest whole number, tenth or hundredth, and using a number line to see which is closer.

② A problem from the sheet, worked out

Round it Look one place to the right of the place you're rounding to.

97.758 to the nearest whole number

98

36.972 to the nearest hundredth

36.97

58.831 to the nearest whole number

59

28.141 to the nearest tenth

28.1

42.395 to the nearest hundredth

42.40

59.232 to the nearest hundredth

59.23

72.124 to the nearest whole number

72

26.640 to the nearest tenth

26.6

How: Find the place you're rounding to and look at the digit just to its right: 5 or more rounds up, less than 5 stays. Then drop every digit after the rounded place.

③ Words to know

round change to a nearby, simpler number

nearest tenth one place after the point

nearest hundredth two places after the point

halfway the middle, like 4.55 between 4.5 and 4.6

④ Watch for

- Looking at the digit in the rounded place instead of the one just to its right.
- Rounding up past a 9 wrongly: 3.96 to the nearest tenth is 4.0, not 3.10.
- Rounding twice: 7.249 to the nearest tenth is 7.2, not 7.25 and then 7.3.

⑤ Where it fits

BEFORE

4.NBT.A.3

Round multi-digit numbers to any place.

THIS SHEET

5.NBT.A.4

Round decimals to any place.

⑥ Helping at home

Round prices to the nearest dollar while shopping, and add them up in your heads. See how close you got to the real total.