

Luna's Space Adventure

Grade 4 · Comparing decimals · 4.NF.C.7

Name _____

Date _____



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

Compare Compare tenths first, then hundredths. 0.5 is the same as 0.50.

0.86 ○ 0.9 0.16 ○ 0.16 0.71 ○ 0.62 0.5 ○ 0.65
0.59 ○ 0.6 0.33 ○ 0.33 0.38 ○ 0.33 0.79 ○ 0.59
0.53 ○ 0.5 0.99 ○ 0.99 0.38 ○ 0.08 0.59 ○ 0.14

Order them Least to greatest.

0.02, 0.79, 0.13, 0.89

0.50, 0.56, 0.31, 0.38

Who has more? Circle the name.

Luna has \$0.95. Nova has \$1.00. Who has more?

Luna Nova

Nova has \$0.43. Max has \$0.40. Who has more?

Nova Max

Orion has \$0.11. Luna has \$0.10. Who has more?

Orion Luna

Zed has \$0.65. Orion has \$0.70. Who has more?

Zed Orion

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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!

Compare Compare tenths first, then hundredths. 0.5 is the same as 0.50.

0.86 < 0.9 0.16 = 0.16 0.71 > 0.62 0.5 < 0.65
0.59 < 0.6 0.33 = 0.33 0.38 > 0.33 0.79 > 0.59
0.53 > 0.5 0.99 = 0.99 0.38 > 0.08 0.59 > 0.14

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0.31, 0.38, 0.50, 0.56

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GUIDE

① What this sheet practises

Comparing decimals to hundredths with $>$, $<$ and $=$, putting them in order, and comparing amounts of money.

② A problem from the sheet, worked out

Compare Compare tenths first, then hundredths. 0.5 is the same as 0.50.

0.86 $<$ 0.9 0.16 $=$ 0.16 0.71 $>$ 0.62 0.5 $<$ 0.65
0.59 $<$ 0.6 0.33 $=$ 0.33 0.38 $>$ 0.33 0.79 $>$ 0.59
0.53 $>$ 0.5 0.99 $=$ 0.99 0.38 $>$ 0.08 0.59 $>$ 0.14

How: Line up the decimal points. Compare the ones, then the tenths, then the hundredths. Adding a 0 helps: 0.6 is the same as 0.60, so it's more than 0.58.

③ Words to know

tenths the first place after the point

hundredths the second place after the point

$>$ $<$ greater than, less than

equivalent decimals same value, like 0.5 and 0.50

④ Watch for

- Thinking 0.58 is more than 0.6 because 58 is more than 6.
- Thinking a decimal with more digits is always bigger.
- Mixing up the $>$ and $<$ signs.

⑤ Where it fits

BEFORE

4.NF.C.6

Write tenths and hundredths as decimals.

THIS SHEET

4.NF.C.7

Compare decimals to hundredths.

NEXT

5.NBT.A.3

Read, write and compare decimals to thousandths.

⑥ Helping at home

Compare amounts under a dollar: is \$0.36 or \$0.40 more? Lay out the coins to check.