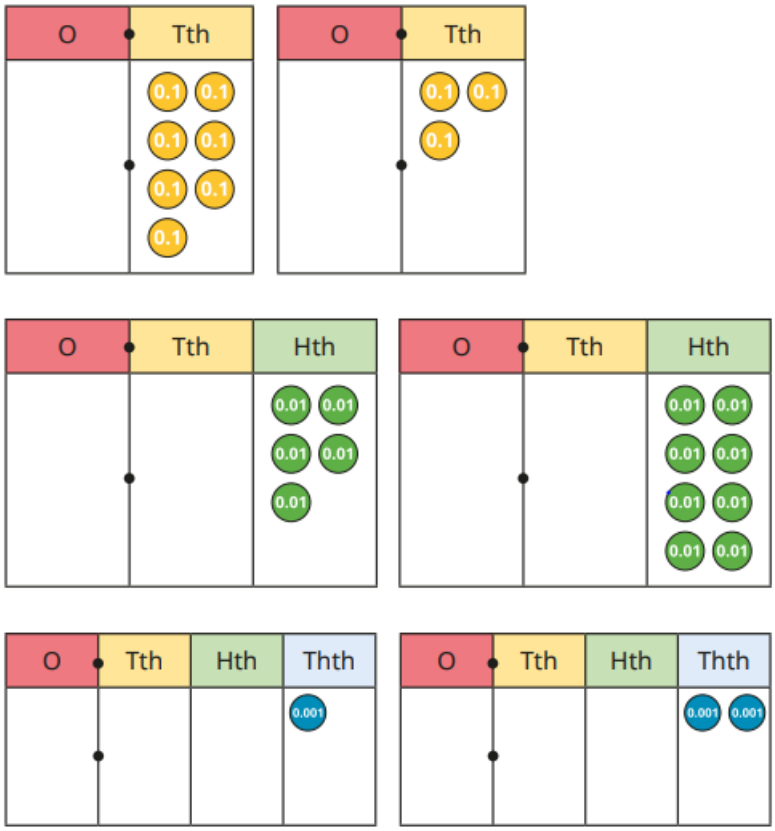
19.03.25*

Ordering and comparing decimals

In each pair of numbers, which is the greater number?



Write < or > to compare the numbers.

Use a place value chart and counters to help you.

a) 0.932 ◯ 0.798

b) 0.015 ◯ 0.051

c) 0.423 ◯ 0.413

d) 0.026 ◯ 0.206

e) 1.208 ◯ 1.198

f) 3.087 ◯ 3.102

19.03.25

MPI: Ordering and comparing decimals

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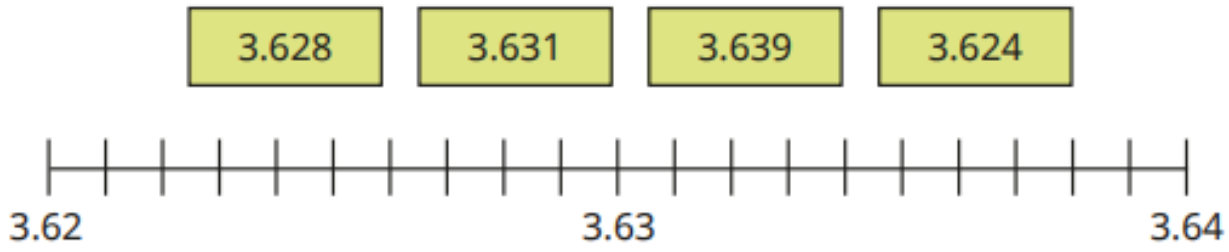
f) 3.087 ◯ 3.102

a) Draw arrows to show the positions of the numbers on the number line.



A bag of flour has a mass of 0.542 kg.

A bag of sugar has a mass of 0.508 kg.

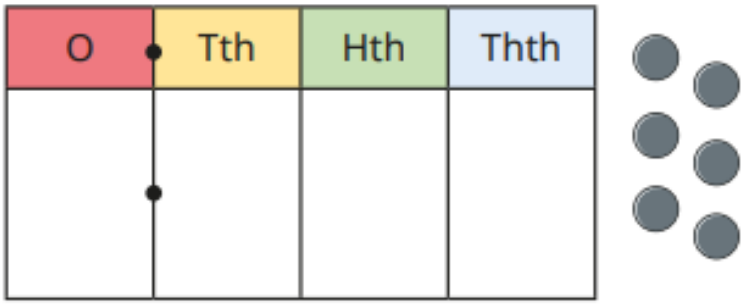
Which bag has a smaller mass?

19.03.25 CHALLENGE

MPI: Ordering and comparing decimals

Scott is making numbers using 6 counters and a place value chart.

- There are no counters in the ones column.
- All the other columns contain at least 1 counter.
- There is a different number of counters in each column.



Find all the numbers that Scott could have made.

Write them in ascending order.

19.03.25 CHALLENGE

MPI: Ordering and comparing decimals

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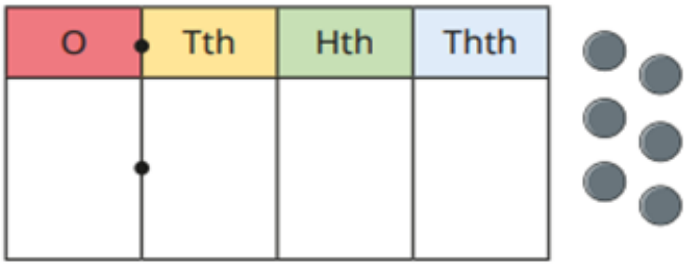


Find all the numbers that Scott could have made.

Write them in ascending order.

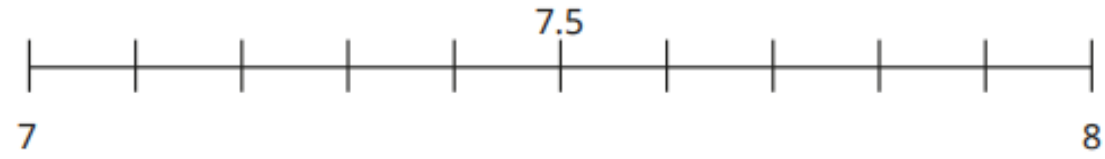
20.03.25 sheet 1

MPI: Ordering and comparing decimals

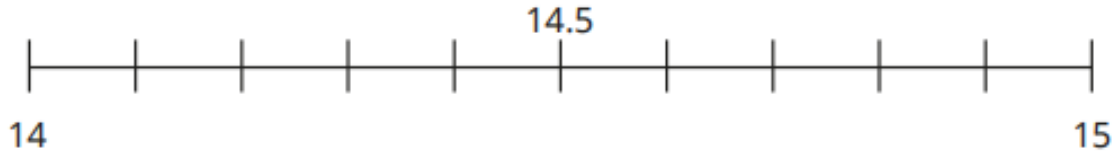
Show the position of each number on the number line.

Use the number lines to round the decimals to the nearest whole number.

a) 7.2

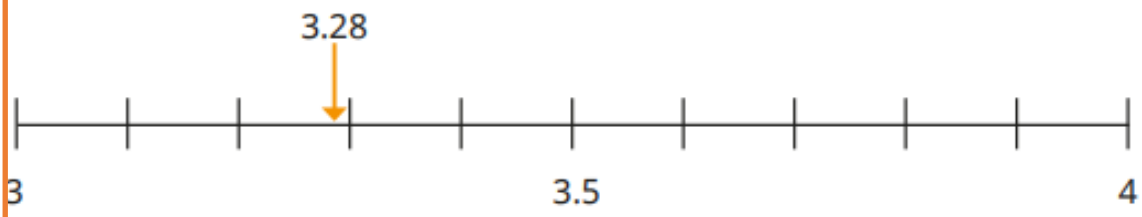


b) 14.8



c) 6.4

Here is a number line.



a) Explain how the number line shows that 3.28 rounded to the nearest whole number is 3

b) Draw arrows to estimate the position of each number on the number line.

3.04 3.76 3.52 3.99

c) Round each number to the nearest whole number.

20.03.25 sheet 2

MPI: Ordering and comparing decimals

Round the numbers to the nearest whole number.

a) 5.1

b) 25.7

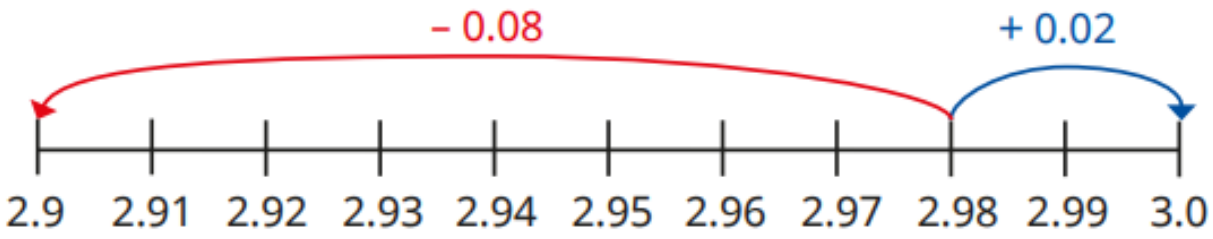
c) 0.9

d) 0.2

e) 9.5

f) 100.3

How does the number line show that 2.98 rounds to 3.0 to 1 decimal place?



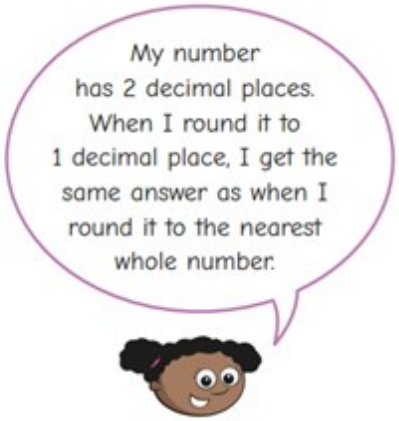
Round the numbers to 1 decimal place.

6.96	4.03	9.99	0.95

20.03.25 CHALLENGE

MPI: Ordering and comparing decimals

Whitney is thinking of a number between 11 and 20



What could Whitney's number be?

Is there more than one possible answer?

Talk about it with a partner.

20.03.25 CHALLENGE

MPI: Ordering and comparing decimals

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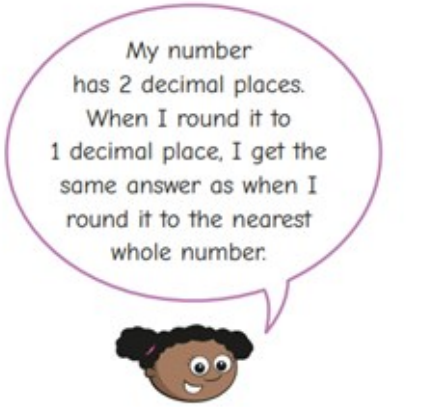

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20.03.25 CHALLENGE

MPI: Ordering and comparing decimals

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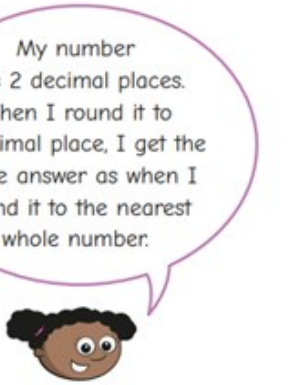

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20.03.25 CHALLENGE

MPI: Ordering and comparing decimals

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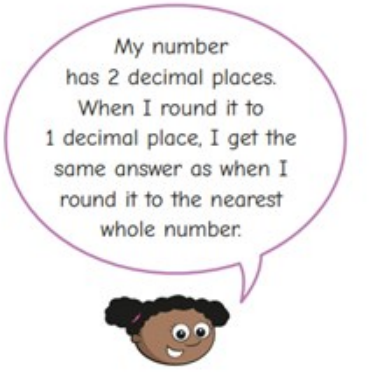

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