

Objective: TSWBAT compare and order decimals

3**EXAMPLE****Comparing Two Decimals**

Use $<$, $=$, or $>$ to complete the statement $3.18 \blacksquare 3.8$.

Write a zero at the end of 3.8 so each number
has the same number of decimal places.

3.18

3.80

Compare the digits
starting with the
highest place values.

The ones digits are the same.

— ↓ ↓
3.18
3.80

The tenths digits
are different.
1 is less than 8.

Since the 1 tenth in 3.18 $<$ the 8 tenths in 3.8, $3.18 < 3.8$.

3a. Use $<$, $=$, or $>$ to complete $2.37 ? 2.7$.

a. $<$

b. $=$

c. $>$

3b. Use $<$, $=$, or $>$ to complete $0.56 ? 0.543$.

a. $<$

b. $=$

c. $>$

3c. Use $<$, $=$, or $>$ to complete $1.650 ? 1.65$.

a. $<$

b. $=$

c. $>$

3d. Reasoning Explain how you can use place value to compare 1.679 and 1.697.

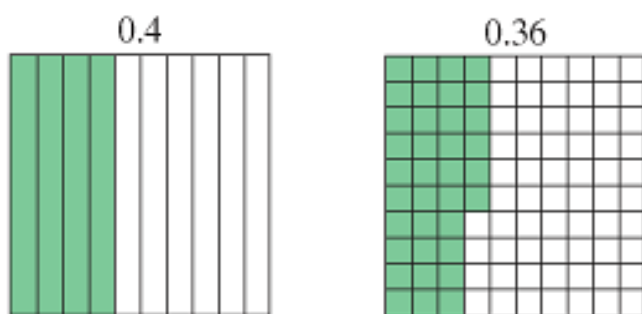
You can compare the digits in the hundredths place. 7 is less than 9 so $1.679 < 1.697$

1**EXAMPLE****Using Models to Compare Decimals**

Draw models for 0.4 and 0.36. Which number is greater?

Use a tenths grid for 0.4.

Use a hundredths grid for 0.36.



A greater area is shaded for 0.4 than for 0.36, so 0.4 is greater than 0.36.

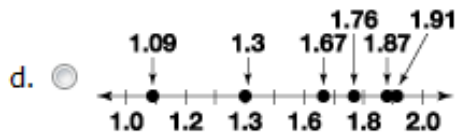
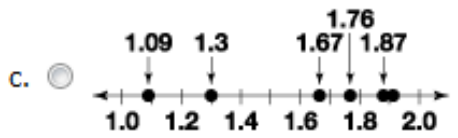
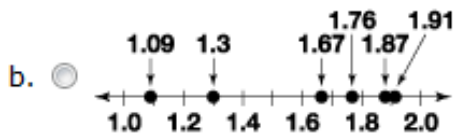
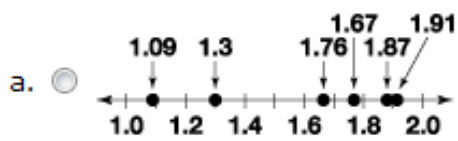
2 EXAMPLE Ordering Decimals on a Number Line

Order the decimals 2.4, 2.3, 2.17, and 2.43 on a number line.

All the numbers are between 2 and 2.5. Make a number line showing tenths. Then mark the hundredths. Graph the points.



2. Order the decimals 1.76, 1.87, 1.09, 1.91, 1.67, and 1.3 on a number line.



Use $<$, $=$, or $>$ to complete each statement.

1. $0.01 < 0.15$

4. $0.10 < 0.12$

7. $34.4 = 34.40$

10. $0.32 > 0.309$

13. $2.36 > 2.036$

2. $0.25 > 0.21$

5. $0.35 > 0.34$

8. $0.207 < 0.27$

11. $6.12 > 6.099$

14. $0.05 < 0.15$

3. $0.30 > 0.26$

6. $0.1 < 0.4$

9. $0.08 < 0.40$

12. $0.990 = 0.99$

15. $1.19 < 1.91$

Use place value to order the decimals from least to greatest.

16. 3.46, 3.64, 3.59
1 3 2

17. 22.97, 21.79, 22.86
3 1 2

18. 43, 43.22, 43.022
1 3 2

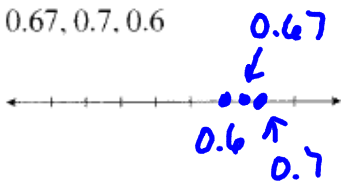
19. 10.02, 10.2, 1.02
2 3 1

20. 1.09, 1.9, 1.1
1 3 2

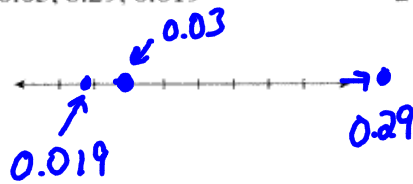
21. 7.54, 75.4, 7.4
2 3 1

Order each set of numbers on a number line.

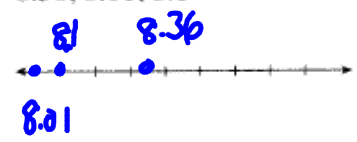
22. 0.67, 0.7, 0.6



23. 0.03, 0.29, 0.019



24. 8.36, 8.01, 8.1



Homework: p 16, 1-25, 27

A vertical red margin line is positioned on the left side of the page. To its right, there are 20 horizontal blue lines spaced evenly down the page, providing a writing area.