

Compare and Order Rational Numbers

Guided Practice

Fill in each \bigcirc with $<$, $>$, or $=$ to make a true statement. (Examples 1–4)

1. $9.7 \bigcirc -10.3$

2. $\frac{5}{8} \bigcirc -\frac{3}{8}$

3. $-6.7 \bigcirc -6\frac{7}{10}$

4. $-\frac{5}{6} \bigcirc -0.94$

Show
your
work.

Order the following sets of numbers from least to greatest. (Example 5)

5. $\left\{-3\frac{1}{3}, 3.3, -3\frac{3}{4}, 3.5\right\}$ _____

6. $\left\{2.\bar{1}, -2.1, 2\frac{1}{11}, -2\right\}$ _____

7. **Financial Literacy** Steve recorded these amounts in his checkbook: $-\$6.50$, $\$7.00$, $-\$6.75$, and $\$7.25$.

Order these amounts from least to greatest. (Example 6)

Independent Practice

Fill in each \bigcirc with $<$, $>$, or $=$ to make a true statement. (Examples 1–4)

1. $\frac{5}{4} \bigcirc -\frac{1}{4}$

2. $-6\frac{1}{3} \bigcirc -6.375$

3. $-\frac{3}{5} \bigcirc -0.6$

4. $-9\frac{2}{7} \bigcirc -9.3$

Show
your
work.

Order each set of numbers from least to greatest. (Example 5)

5. $\left\{2.8, -2\frac{3}{4}, 3\frac{1}{8}, -2.\bar{2}\right\}$ _____

6. $\left\{\frac{2}{3}, -0.6, 0.65, \frac{4}{5}\right\}$ _____

7. **Financial Literacy** The change in four stocks during a day are:
 $-4\frac{1}{2}$, 5.6, $-2\frac{3}{8}$, and 1.35.

Order the changes from least to greatest. (Example 6)



Standardized Test Practice

15. Which of the following numbers is less than $-\frac{2}{3}$?

- (A) 0.6 (C) $0.\overline{6}$
 (B) $\frac{1}{3}$ (D) $-\frac{5}{6}$

Order the following sets of numbers from least to greatest.

22. $\left\{\frac{1}{8}, -0.02\overline{5}, 0.2, -\frac{1}{7}\right\}$ _____

23. $\left\{1.25, 1\frac{3}{4}, 1.2\overline{5}, 1\frac{1}{5}\right\}$ _____

24. **Reason Inductively** The average amount of time Brent spent in-line skating for one week was 34 minutes. During the next week, the difference between the average time and actual time spent skating was 4.2 minutes, $-5\frac{1}{3}$ minutes, $-2\frac{1}{2}$ minutes, and 3.75 minutes.

Order these differences from least to greatest. _____



Fill in each with $<$, $>$, or $=$ to make a true statement.

25. $-4\frac{4}{5}$ $-4.\overline{7}$

26. $-3.2\overline{5}$ $-3.\overline{2}$

27. $-5.\overline{31}$ $-5.\overline{313}$