

Complete numbers 5 and 6 in your composition book.

Compare Mixed Numbers

5) $-4\frac{2}{3}$ \bigcirc $-4\frac{2}{5}$

Complete numbers 5 and 6 in your composition book.

Compare Mixed Numbers

5) $-4\frac{2}{3} < -4\frac{2}{5}$

Both mixed numbers have a whole number 4 so just compare the fraction part.

$5 \times 2 = 10$ $-\frac{10}{3} < -\frac{8}{5}$ $3 \times 2 = 6$

6) $-2\frac{1}{4} < -2\frac{2}{9}$

Both mixed numbers have a whole number 2 so just compare the fraction part.

$9 \times 1 = 9$ $-\frac{9}{4} < -\frac{8}{9}$ $4 \times 2 = 8$

Complete numbers 9 - 12 on your notes page.

9) $-3\frac{4}{6} > -3\frac{5}{7}$

$7 \times 4 = 28$ $-\frac{28}{6} > -\frac{30}{7}$ $6 \times 5 = 30$

10) $-2\frac{2}{3} < 2\frac{2}{5}$

$-2\frac{2}{3} < 2\frac{2}{5}$

* One mixed number is positive, the other is negative.

$$11) \quad -3\frac{1}{3} \quad (\gt) \quad -4\frac{5}{6}$$

$$(-3)\frac{1}{3} \quad (\gt) \quad (-4)\frac{5}{6}$$

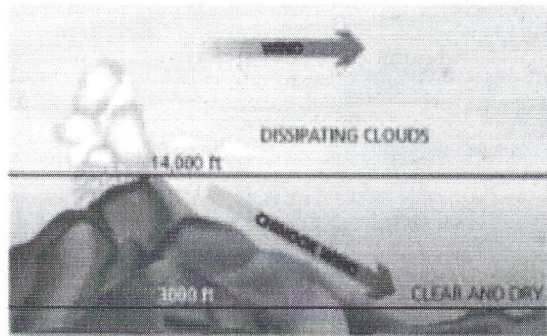
$$12) \quad -1\frac{7}{8} \quad (\lt) \quad -1\frac{3}{4}$$

$$4 \times 7 = 28 \quad \overset{-27}{-} \frac{7}{8} \quad (\lt) \quad \overset{-24}{-} \frac{3}{4} \quad 8 \times 3 = 24$$

Complete numbers 7 - 8 in your composition book

7)

A *Chinook wind* is a warm mountain wind that can cause rapid temperature changes. The table shows three of the greatest temperature drops ever recorded after a Chinook wind occurred. On which date did the temperature drop the fastest? Explain.



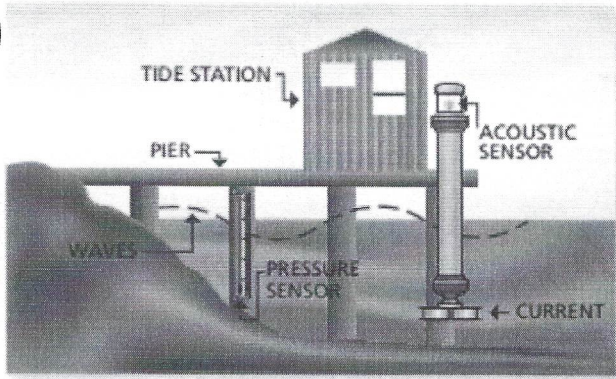
Date	Temperature Change
January 10, 1911	$-3\frac{1}{10}$ °F per minute
November 10, 1911	$-\frac{5}{8}$ °F per minute
January 22, 1943	$-2\frac{1}{5}$ °F per minute

Put the fractions on a number line.



The temperature dropped the fastest on Jan. 10, 1911 because that change in temperature is farthest away from zero.

8)



Day	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Water Level of the Day (feet)	$-\frac{3}{25}$	$-\frac{7}{20}$	$-\frac{27}{50}$	$-\frac{13}{20}$	$-\frac{16}{25}$	$-\frac{53}{100}$	$-\frac{1}{3}$



Low Tide: The daily water level is recorded for seven straight days at a tide station on Big Marco River in Florida. On which days is the water level higher than on the previous day? On which days is it lower?

$$-\frac{3}{25} > -\frac{7}{20}$$

$$-\frac{7}{20} > -\frac{27}{50}$$

$$-\frac{27}{50} > -\frac{13}{20}$$

$$-\frac{13}{20} < -\frac{16}{25}$$

$$-\frac{16}{25} < -\frac{53}{100}$$

$$-\frac{53}{100} < -\frac{1}{3}$$

The water level got higher on Thursday, Friday, and Saturday.