

Name: _____

Rational Number Comparisons

Match each inequality with the situation it describes by writing the corresponding letter on the line.

1. _____ $-10.4 < -1.6$

2. _____ $1\frac{1}{3} < 1\frac{1}{2}$

3. _____ $0 > -15$

a. The first two scores in a tennis match are worth 15 points each. Tatum is in the lead after making the first score.

b. Students received two 6-question worksheets. Bo and Ira finished the first one, but Bo finished 2 questions on the second while Ira finished 3.

c. After a project, Ms. Chan calculated how many students wanted to change groups. No one in group A did, but $\frac{1}{3}$ of group B did.



Esperanza's airplane flew 10.4 meters. Brady's only flew 1.6 meters.

7. _____ $-3 < 1.5$

8. _____ $0 < 0.\bar{3}$

9. _____ $1.6 < 10.4$

10. _____ $1\frac{1}{3} > -1\frac{1}{2}$

g. The average January temperature in Ivan's town was 10.4 degrees below 0. February was warmer, with an average of 1.6 degrees below 0.

h. Marie's grade in Spanish class is about 1.5% below the class average. Reid's grade is about 1.3% above the class average.

i. Mr. Ruiz's thrifting business made no profit this week. However, it was better than last week, when costs exceeded profits by \$15.

j. Khloe received a one-third point deduction from her gymnastic routine's score. Jazlyn received a one-third point bonus for added difficulty.

ANSWER KEY

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1. g $-10.4 < -1.6$

a. The first two scores in a tennis match are worth

Preview

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9. f $1.6 < 10.4$

i. Mr. Ruiz's thrifting business made no profit this week. However, it was better than last week, when costs exceeded profits by \$15.

10. h $1\frac{1}{3} > -1\frac{1}{2}$

j. Khloe received a one-third point deduction from her gymnastic routine's score. Jazlyn received a one-third point bonus for added difficulty.