



Practice quiz on the Number Line, including Inequalities

Quiz pour s'exercer • 25 min



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NOTE

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Practice quiz on the Number Line, including Inequalities

TOTAL DES POINTS 8

1. Which of the following real numbers is not an integer?

1 / 1 point

- ☐ -3
- ☐ 0
- ☒ 4.3
- ☐ 7

Correct

4.3 is a decimal that is between two consecutive integers (4 and 5).

2. Which of the following is the absolute value $|-7|$ of the number -7 ?

1 / 1 point

- ☐ -7
- ☐ 1
- ☒ 7
- ☐ 0

Correct

The absolute value of a number x is the distance along the number line from x to 0. In this case, -7 is 7 units away from 0, and so $|-7| = 7$.3. Suppose I tell you that x and y are two real numbers which make the statement $x < y$ true. Which pair of numbers cannot be values for x and y ?

1 / 1 point

- ☐ $x = -17.3$ and $y = -17.1$
- ☐ $x = 1$ and $y = 7.3$
- ☐ $x = -1$ and $y = 0$
- ☒ $x = 5$ and $y = 3.3$

Correct

The statement $x < y$ means that x is to the left of y on the real number line. Since 5 is to the right of 3.3, these cannot be values for x and y .4. Suppose I tell you that w is a real number which makes both of the following statements true: $w > 1$ and $w < 1.2$. Which of the following numbers could be w ?

1 / 1 point

- ☒ $w = 1.05$
- ☐ $w = 11$
- ☐ $w = 0$
- ☐ $w = 1.2$

Correct

1.05 $>$ 1 is true since 1.05 is to the right of 1 on the real number line, and 1.05 $<$ 1.2 is also true, since 1.05 is to the left of 1.2 on the real number line.