



Rational numbers on the number line

GRADE 6 MATH

Name _____

Date _____

Work through the sheet in order. Sketch number lines or grids to support your answers; final answers go in the boxes. One skill: **rational numbers on the number line and grid.**

WORKED EXAMPLE

Numbers increase **left to right**, always. Negatives are a mirror of the positives: -3 sits as far left of 0 as 3 sits right of it. On a grid, **(x, y)** means across first, then up/down.

1. Which is farther left: -6 or -2 ?

FLUENCY

Show your thinking

Answer

2. Between which two whole numbers does $-\frac{1}{2}$ lie?

FLUENCY

Show your thinking

Answer

3. Between which two whole numbers does 2.5 lie?

FLUENCY

Show your thinking

Answer

4. Write $-7/2$ as a decimal, then name the two whole numbers it lies between.

APPLICATION

Show your thinking

Answer

5. Name the quadrant for the point $(3, -2)$ and explain using the signs.

APPLICATION

Show your thinking

Answer

6. Name the quadrant for the point $(-5, -1)$ and explain using the signs.

APPLICATION

Show your thinking

Answer

7. Place these on one number line in order: -1 , -0.75 , 0 , $-\frac{1}{2}$. Explain how you decided.

REASONING

Show your thinking

Answer

8. The point $(4, 3)$ is reflected across the x -axis. What are the new coordinates? Explain what changed and why.

REASONING

Show your thinking

Answer

9. Ben plots $(-9/4)$ at -9 . Explain his mistake and give the correct location.

REASONING

Show your thinking

Answer