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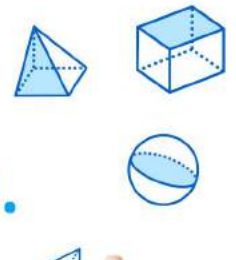

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Solving Inequalities With Fractions Worksheets

1) Matthew has to work on d number of days in a night shift and 5 days more than the night shift in a day shift. Represent this situation using inequality for the month of April.

2) Jonathan has collected $\$100$ in his piggy bank. He spent $\$x$ on food, $\$47$ to rent a bike and the remaining $\$v$ to rent a video game. Represent this situation using inequality.

3) When a number x is added to $\frac{3}{5}th$ of it, the result is at least 27 more than two-third of the same number. Express this situation using an inequality.

4) Solve the given inequality and represent the solution graphically:

$$\frac{2x}{3} > 4$$

5) Find the solution of the inequality:

$$8z+1\geq\frac{4}{9}$$

6) Find the solution set of integers for the following inequality:

$$\frac{-2x-3}{6}>1$$

7) For what values of p, will the given inequality be valid?

$$\frac{2}{3}-\frac{p}{4}\geq\frac{7}{6}$$

8) Solve the given inequality:

$$\frac{x}{2}-\frac{1}{5}\leq\frac{7}{10}+\frac{x}{5}$$

9) Represent the following inequality graphically:

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

10) Find the solution of the following inequality:

$$z+\frac{39}{11}<\frac{-4}{33}+\frac{z}{3}$$

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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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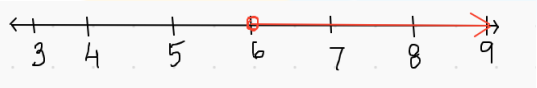
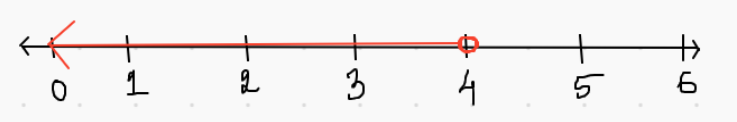
ANSWERS

1)	$d+10\leq 30$
2)	$x+47+v\leq 100$
3)	$x+\frac{3x}{5}\geq 27+\frac{2x}{3}$
4)	$x>6$ 
5)	$z\geq \frac{-5}{72}$
6)	Solution set of integers: $\{\ldots,-1,-2,-3,-4\}$

7)	$p \leq -2$
8)	$x \leq 3$
9)	$x < 4$ 
10)	$z < \frac{-11}{2}$

FUN FACT

1. We must add or subtract the same quantity on both sides of an inequality.

2. We must multiply or divide the same quantity on both sides of an inequality.