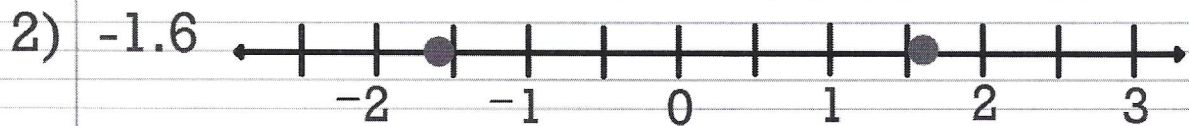
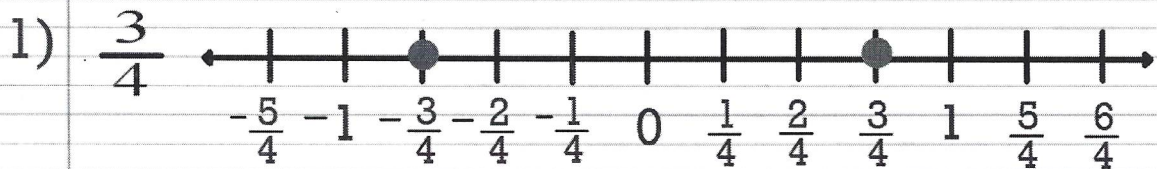


Composition Book

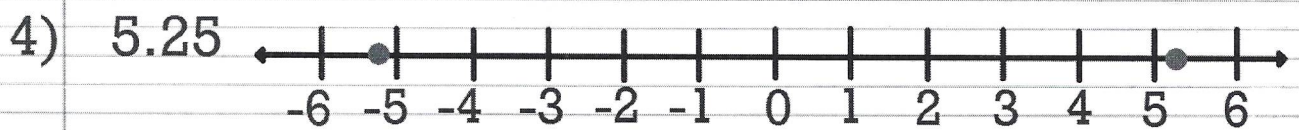
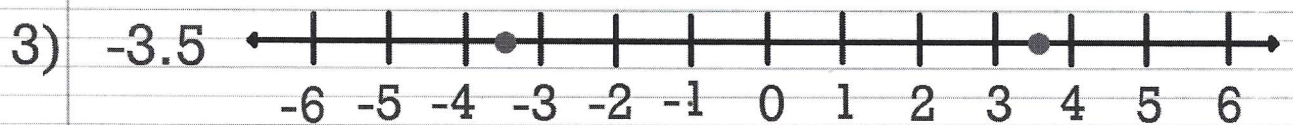
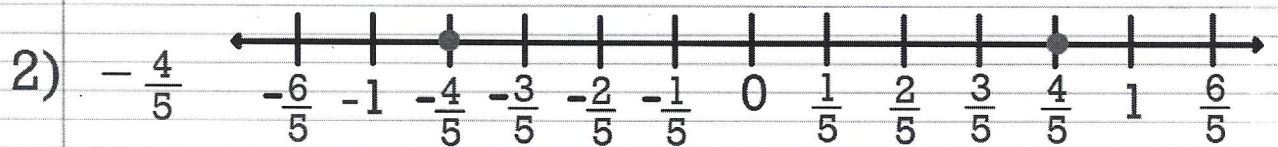
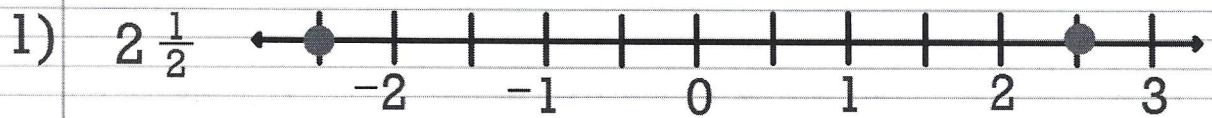
6.3 Fractions and Decimals
on the Number Line

Graph each number and its opposite.



Complete numbers 1 - 4 on your notes page.

Graph each number and its opposite.



Add the example to your notes page.

Cross Multiply to Compare Fractions

Multiply the denominator of one fraction by the numerator of the opposite fraction. Write the product by the numerator. Repeat with the other denominator and numerator. Then, compare the products.

Example:

$$4 \times 4 = 16 \quad \begin{array}{c} \text{---} \frac{4}{5} \end{array} \bigcirc \begin{array}{c} \text{---} \frac{3}{4} \end{array} \quad 5 \times 3 = 15$$

$$\begin{array}{c} -16 \\ \text{---} \frac{4}{5} \end{array} \left(< \right) \begin{array}{c} -15 \\ \text{---} \frac{3}{4} \end{array}$$

Complete numbers 3 and 4 in your composition book.

Compare fractions. Write $<$, $>$, or $=$.

3) $\frac{4}{5}$ $\frac{7}{10}$ $\overset{40}{\frac{4}{5}} > \overset{35}{\frac{7}{10}}$

4) $-\frac{2}{5}$ $-\frac{3}{8}$ $\overset{-16}{-\frac{2}{5}} < \overset{-15}{-\frac{3}{8}}$

Complete numbers 5 - 8 on your notes page.

$$5) \quad -\frac{2}{5} \quad \textcircled{>} \quad -\frac{3}{6}^{-15}$$

$$6) \quad -\frac{4}{5} \quad \textcircled{<} \quad -\frac{2}{3}^{-10}$$

$$7) \quad \frac{3}{4} \quad \textcircled{>} \quad -\frac{2}{3}$$

*One fraction is a positive and the other is a negative.

$$8) \quad \frac{1}{2}^4 \quad \textcircled{<} \quad \frac{3}{4}^6$$

Remember to cross multiply. Start with the denominator and multiply it by the opposite numerator.