

Compare fractions with a common numerator or denominator

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Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

1. Compare $\frac{2}{8} \underline{\hspace{1cm}} \frac{2}{8}$ of the same-sized whole.

=

$\frac{2}{8} = \frac{2}{8}$. The denominators match, so comparing numerators compares the amounts.

$\frac{2}{8}$



$\frac{2}{8}$



2. Compare $\frac{2}{3} \underline{\hspace{1cm}} \frac{2}{3}$ of the same-sized whole.

=

$\frac{2}{3} = \frac{2}{3}$. The denominators match, so comparing numerators compares the amounts.

$\frac{2}{3}$



$\frac{2}{3}$



Compare fractions with a common numerator or denominator

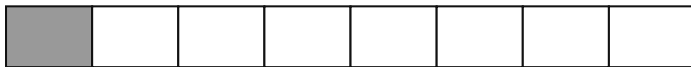
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3. Compare $\frac{1}{8}$ $\underline{\hspace{1cm}}$ $\frac{1}{3}$ of the same-sized whole.

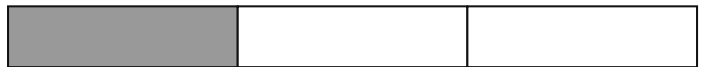
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$\frac{1}{8} < \frac{1}{3}$. Equal counts of smaller pieces make a smaller amount.

$\frac{1}{8}$



$\frac{1}{3}$



4. Compare $\frac{1}{2}$ $\underline{\hspace{1cm}}$ $\frac{1}{2}$ of the same-sized whole. Which reason would help you solve this correctly?

The pieces are the same size. Compare how many pieces there are.

$\frac{1}{2}$



$\frac{1}{2}$



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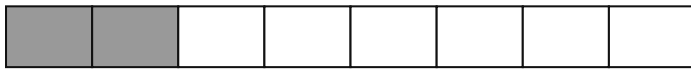
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5. Compare $\frac{2}{8}$ $\underline{\hspace{1cm}}$ $\frac{5}{8}$ meter lengths.

<

$\frac{2}{8} < \frac{5}{8}$. The denominators match, so comparing numerators compares the amounts.

$\frac{2}{8}$



$\frac{5}{8}$

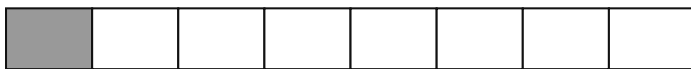


6. Compare $\frac{1}{8}$ $\underline{\hspace{1cm}}$ $\frac{1}{2}$ meter lengths.

<

$\frac{1}{8} < \frac{1}{2}$. Equal counts of smaller pieces make a smaller amount.

$\frac{1}{8}$



$\frac{1}{2}$



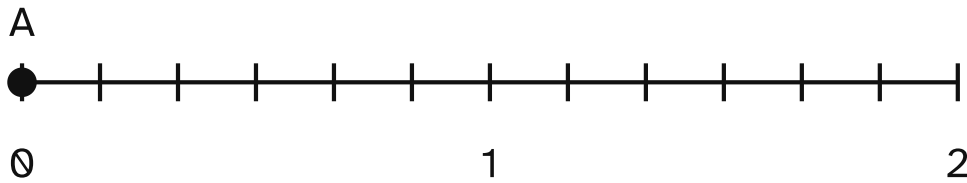
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7. What fraction names point A? The distance from 0 to 1 is one whole.

0

A is 0 spaces of $\frac{1}{6}$ from zero: $\frac{0}{6}$.



8. What fraction of the whole is shaded?

$\frac{3}{8}$

3 out of 8 equal parts are selected, so the fraction is $\frac{3}{8}$.

