

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 $\frac{7}{8}$ $\frac{2}{8}$ of the same-sized whole.

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$\frac{7}{8} > \frac{2}{8}$. The denominators match, so comparing numerators compares the amounts.

$\frac{7}{8}$



$\frac{2}{8}$



2. Compare $\frac{1}{4}$ $\frac{1}{8}$ of the same-sized whole.

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$\frac{1}{4} > \frac{1}{8}$. Equal counts of smaller pieces make a smaller amount.

$\frac{1}{4}$



$\frac{1}{8}$



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3. Compare $\frac{3}{4}$ $\underline{\hspace{1cm}}$ $\frac{3}{4}$ of the same-sized whole.

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$\frac{3}{4} = \frac{3}{4}$. The denominators match, so comparing numerators compares the amounts.

$\frac{3}{4}$



$\frac{3}{4}$

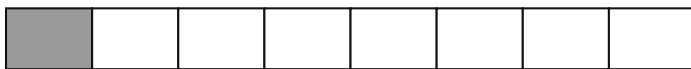


4. Compare $\frac{1}{8}$ $\underline{\hspace{1cm}}$ $\frac{5}{8}$ of the same-sized whole.

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$\frac{1}{8} < \frac{5}{8}$. The denominators match, so comparing numerators compares the amounts.

$\frac{1}{8}$



$\frac{5}{8}$



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

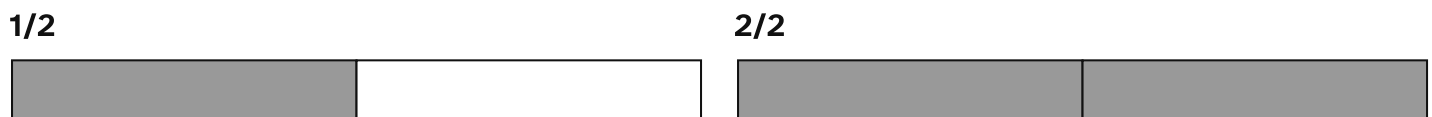
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$\frac{1}{2} > \frac{1}{8}$. Equal counts of smaller pieces make a smaller amount.



6. Compare $\frac{1}{2}$ $\frac{2}{2}$ 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.



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7. Compare $\frac{1}{2}$ $\frac{2}{2}$ meter lengths.

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$\frac{1}{2} < \frac{2}{2}$. The denominators match, so comparing numerators compares the amounts.

$\frac{1}{2}$



$\frac{2}{2}$



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

$\frac{1}{4}$

A is 1 spaces of $\frac{1}{4}$ from zero: $\frac{1}{4}$.

