

Estimate fraction sums and differences

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Take your time. Show your thinking. All equivalent answers are welcome unless a particular form is requested.

1. Is $8/11 + 1/3$ less than, equal to, or greater than 1?

8/11



1/3



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2. Is $7/11 - 2/4$ less than, equal to, or greater than $1/2$?

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3. Is $5/6 + 1/2$ less than, equal to, or greater than 1?

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4. Is $2/3 - 5/9$ less than, equal to, or greater than $1/2$? Which reason would help you solve this correctly?
- A. Use one half and one whole as benchmarks. If it is close, rename the fractions to check the boundary exactly.
 - B. Add the numerators and denominators separately.
 - C. The denominator counts only the shaded parts.
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5. Two ribbon lengths measure $2/4$ meters and $3/5$ meters. Is the result less than, equal to, or greater than 1 meter?

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6. A ribbon is $6/8$ meters long. You cut off $1/2$ meters. Is the result less than, equal to, or greater than $1/2$ meter?

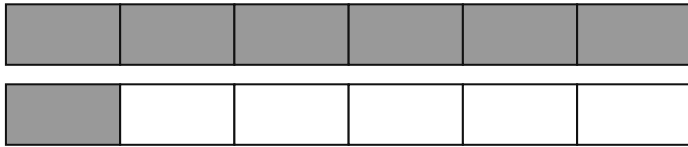
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7. Compare $\frac{7}{6}$ $\frac{4}{8}$ of the same-sized whole.

$\frac{7}{6}$



$\frac{4}{8}$



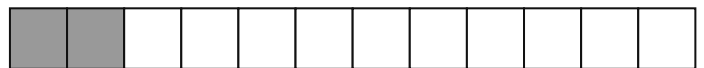
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8. Compare $\frac{1}{2}$ $\frac{2}{12}$ of the same-sized whole.

$\frac{1}{2}$



$\frac{2}{12}$



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