

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 $\frac{1}{4} + \frac{1}{5}$ less than, equal to, or greater than 1?

$\frac{1}{4}$



$\frac{1}{5}$



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2. Is $\frac{6}{10} + \frac{3}{4}$ less than, equal to, or greater than 1?

$\frac{6}{10}$



$\frac{3}{4}$



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3. Is $1/2 - 1/8$ less than, equal to, or greater than $1/2$?

$1/2$



$1/8$



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4. Is $10/12 - 2/9$ less than, equal to, or greater than $1/2$?

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5. Is $1/2 + 10/11$ less than, equal to, or greater than 1?

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6. Is $7/9 - 1/2$ 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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7. A jug holds $10/12$ liters. You pour out $2/3$ liters. Is the result less than, equal to, or greater than $1/2$ liter?

8. Find $6/8 + 1/8$.

Answer: _____

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