

Decompose fractions

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

1. Write $\frac{9}{10}$ as a sum of two positive fractions with denominator 10.



_____ + _____

2. Write $\frac{11}{12}$ as a sum of two positive fractions with denominator 12.



_____ + _____

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3. Write $9/5$ as a sum of two positive fractions with denominator 5.



_____ + _____

4. Write $182/100$ as a sum of two positive fractions with denominator 100.

_____ + _____

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5. Write $\frac{3}{4}$ as a sum of two positive fractions with denominator 4.

_____ + _____

6. Write $\frac{14}{6}$ as a sum of two positive fractions with denominator 6. Which reason would help you solve this correctly?

- A. Split the 14 parts into two nonempty groups. Keep the denominator 6.
- B. Add the numerators and denominators separately.
- C. The denominator counts only the shaded parts.

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7. Split a $\frac{6}{3}$ -meter ribbon into two positive lengths. Write both lengths with denominator 3.

_____ + _____

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8. Fill in the missing numerator: $\frac{1}{2} = \frac{?}{6}$.



Answer: _____