

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



_____ + _____

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



_____ + _____

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3. Write $\frac{87}{100}$ as a sum of two positive fractions with denominator 100.

_____ + _____

4. Write $\frac{4}{10}$ as a sum of two positive fractions with denominator 10.

_____ + _____

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5. Write $\frac{2}{3}$ as a sum of two positive fractions with denominator 3.

_____ + _____

6. Write $\frac{10}{4}$ as a sum of two positive fractions with denominator 4. Which reason would help you solve this correctly?

- A. Split the 10 parts into two nonempty groups. Keep the denominator 4.
- B. Add the numerators and denominators separately.
- C. The denominator counts only the shaded parts.

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7. Split a $\frac{13}{5}$ -meter ribbon into two positive lengths. Write both lengths with denominator 5.

_____ + _____

8. Write 2 as a fraction with denominator 8.

Answer: _____