

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 $\frac{6}{10}$ as a sum of two positive fractions with denominator 10.



_____ + _____

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2. Write $\frac{277}{100}$ as a sum of two positive fractions with denominator 100.

_____ + _____

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3. Write $\frac{4}{8}$ as a sum of two positive fractions with denominator 8.

_____ + _____

4. Write $\frac{7}{6}$ as a sum of two positive fractions with denominator 6. Which reason would help you solve this correctly?

- A. Split the 7 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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5. Split a $\frac{6}{3}$ -meter ribbon into two positive lengths. Write both lengths with denominator 3.

_____ + _____

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

_____ + _____

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7. Fill in the missing numerator: $4/2 = ?/12$.

Answer: _____

8. Write 4 as a fraction with denominator 8.

Answer: _____
