

# Decompose fractions

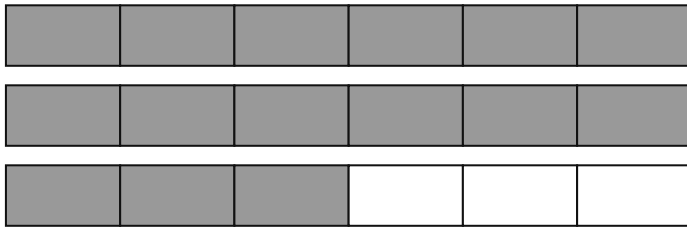
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Name: \_\_\_\_\_ Date: \_\_\_\_\_

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

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1. Write  $15/6$  as a sum of two positive fractions with denominator 6.



\_\_\_\_\_ + \_\_\_\_\_

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2. Write  $47/100$  as a sum of two positive fractions with denominator 100.

\_\_\_\_\_ + \_\_\_\_\_

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3. Write  $8/5$  as a sum of two positive fractions with denominator 5.

\_\_\_\_\_ + \_\_\_\_\_

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4. Write  $6/8$  as a sum of two positive fractions with denominator 8. Choose the explanation.

- A. Split both numerator and denominator into two counts, then add the new fractions.
  - B. Use zero for one fraction and the whole amount for the other fraction.
  - C. Keep denominator 8; split the numerator into two positive counts with the same total.
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- 5.** A ribbon is  $1\frac{1}{4}$  meter long. Split it into two positive lengths. Write both lengths with denominator 4.

\_\_\_\_\_ + \_\_\_\_\_

- 6.** A ribbon is  $1\frac{1}{5}$  meter long. Split it into two positive lengths. Write both lengths with denominator 5.

\_\_\_\_\_ + \_\_\_\_\_

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- 7.** Write 4 as a fraction with denominator 2.

Answer: \_\_\_\_\_

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- 8.** Write 0 as a fraction with denominator 3.

Answer: \_\_\_\_\_