Add and subtract like fractions

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Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

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1. Find 2/4 + 3/4.

5/4

2/4 + 3/4 = 2/4 + 3/4 = 5/4 = 1 1/4.

2/4

3/4

2. Find 1/2 – 1/2.

0

1/2 – 1/2 = 1/2 – 1/2 = 0.

1/2

1/2

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3. Find 96/100 + 70/100.

83/50

96/100 + 70/100 = 96/100 + 70/100 = 83/50 = 1 33/50.

4. Find 2/4 + 2/4.

1

2/4 + 2/4 = 2/4 + 2/4 = 1.

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5. Find 4/5 – 1/5.

3/5

4/5 – 1/5 = 4/5 – 1/5 = 3/5.

6. Find 2/6 – 1/6. Which reason would help you solve this correctly?

The pieces have the same size. Subtract their counts and keep denominator 6.

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7. Two ribbon lengths measure 1/4 meters and 2/4 meters. What is their total length in meters?

3/4

1/4 + 2/4 = 1/4 + 2/4 = 3/4. The answer is in meters.

8. Write 13/10 as a sum of two positive fractions with denominator 10.

1/10 + 12/10 (other positive sums with denominator 10 are valid)

One possible sum is 1/10 + 12/10. Any two positive numerators totaling 13, each over 10, work; either order is valid.