Mixed numbers with like denominators

Independent practice · 8 questions · US Letter

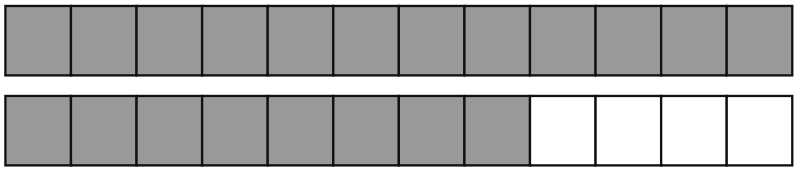
Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

---

1. Write 1 8/12 as a fraction with denominator 12.

20/12

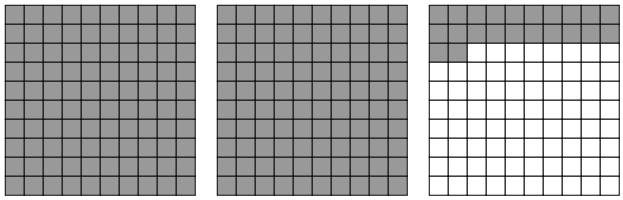
1 8/12 = 20/12. Convert whole parts before combining or regrouping.



2. Write 222/100 as a mixed number.

2 11/50

2 22/100 = 222/100. Convert whole parts before combining or regrouping.



Each square is one whole, with 10 rows of 10 hundredths.

Mixed numbers with like denominators

Independent practice · 8 questions · US Letter

3. Find 1 78/100 + 36/100.

107/50

1 78/100 + 36/100 = 178/100 + 36/100 = 107/50 = 2 7/50.

4. Find 2 1/5 + 1 2/5.

18/5

2 1/5 + 1 2/5 = 11/5 + 7/5 = 18/5 = 3 3/5.

Mixed numbers with like denominators

Independent practice · 8 questions · US Letter

5. Find 2 25/100 + 62/100.

287/100

2 25/100 + 62/100 = 225/100 + 62/100 = 287/100 = 2 87/100.

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

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

Mixed numbers with like denominators

Independent practice · 8 questions · US Letter

7. Two ribbon lengths measure 1 2/5 meters and 1 3/5 meters. What is their total length in meters?

3

1 2/5 + 1 3/5 = 7/5 + 8/5 = 3 = 3. The answer is in meters.

8. Write 2 as a fraction with denominator 2.

4/2

2 × 2 = 4 parts, so 2 = 4/2.