Mixed numbers with unlike denominators

Review & apply · 8 questions · US Letter

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

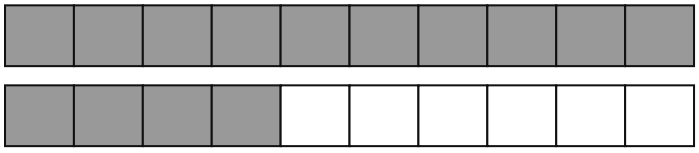
---

1. Find 1 4/10 – 1 3/12.

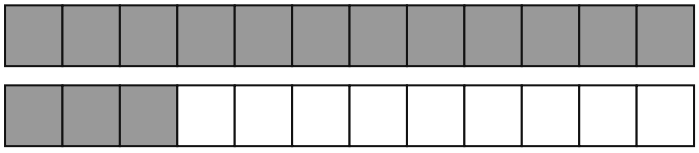
3/20

1 4/10 – 1 3/12 = 84/60 – 75/60 = 3/20.

1 4/10



1 3/12



2. Find 2 3/4 – 1 1/3.

17/12

2 3/4 – 1 1/3 = 33/12 – 16/12 = 17/12 = 1 5/12.

Mixed numbers with unlike denominators

Review & apply · 8 questions · US Letter

3. Find 1 1/8 + 7/10.

73/40

1 1/8 + 7/10 = 45/40 + 28/40 = 73/40 = 1 33/40.

4. Find 1 6/11 + 2/4. Which reason would help you solve this correctly?

Use denominator 44. Rename both fractions before adding.

Mixed numbers with unlike denominators

Review & apply · 8 questions · US Letter

5. A jug holds 2 3/4 liters. You pour out 4/10 liters. How many liters remain?

47/20

2 3/4 − 4/10 = 55/20 − 8/20 = 47/20 = 2 7/20. The answer is in liters.

6. A path is 2 4/6 meters long. You walk 1 2/7 meters. How many meters remain?

29/21

2 4/6 − 1 2/7 = 112/42 − 54/42 = 29/21 = 1 8/21. The answer is in meters.

Mixed numbers with unlike denominators

Review & apply · 8 questions · US Letter

7. Find 1 4/6 + 1/6.

11/6

1 4/6 + 1/6 = 10/6 + 1/6 = 11/6 = 1 5/6.

8. Find 1/4 + 4/5.

21/20

1/4 + 4/5 = 5/20 + 16/20 = 21/20 = 1 1/20.