

Independent Practice

6.2

NAME _____

Module 6 Computational Fluency of Fractions
Lesson 2 Adding Fractions with Unlike Denominators

Model using 3×4 egg cartons.

1. $\frac{2}{3} + \frac{1}{4}$

2. $\frac{5}{6} + \frac{1}{2}$

Model using 6×4 egg cartons.

3. $\frac{1}{2} + \frac{3}{4}$

4. $\frac{4}{6} + \frac{3}{12}$

Evaluate the expression.

5. $\frac{3}{5} + \frac{2}{3}$

6. $\frac{1}{9} + \frac{5}{6}$

7. $\frac{5}{12} + \frac{5}{6}$

8. $\frac{7}{10} + \frac{3}{4}$

9. $\frac{5}{10} + \frac{3}{6}$

10. $\frac{4}{5} + \frac{4}{9}$

11. $\frac{1}{2} + \frac{3}{5} + \frac{1}{5}$

12. $\frac{1}{4} + \frac{1}{3} + \frac{1}{2}$

13. $\frac{14}{25} + \frac{7}{30}$

14. Sebastian bought $\frac{2}{3}$ pound of walnuts and $\frac{7}{8}$ pound of peanuts. How many pounds of nuts did Sebastian buy in all?

15. Misty completed $\frac{3}{10}$ of her math homework in study hall and $\frac{2}{5}$ of her homework before dinner. She completed another $\frac{1}{8}$ of her math homework after dinner. How much of her math homework has Misty done so far?

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Journal

1. When adding fractions with unlike denominators, when will the least common denominator be one of the denominators of the addends? Give an example.
2. Maria said that when she has to find a common denominator of two fractions, she just uses the product of the two denominators in the problem. Sometimes it is the least common denominator, but sometimes it is not. Name one good thing and one bad thing about the way Maria finds common denominators.
3. Explain how to add $\frac{19}{30} + \frac{3}{10}$ without a model.

Cumulative Review

Write the prime factorization of each number.

1. 39 2. 52 3. 70

Find the GCF of each pair of numbers.

4. 21 and 28 5. 8 and 44 6. 24 and 60

Find the LCM of each pair of numbers.

7. 3 and 9 8. 10 and 12 9. 9 and 15

Evaluate each expression.

10. $\frac{1}{7} + \frac{3}{7}$

11. $\frac{5}{6} + \frac{5}{6}$

12. $\frac{11}{16} - \frac{3}{16}$

13. Koby and his friends found $\frac{7}{12}$ of a pizza in the refrigerator. They ate $\frac{5}{12}$ of the pizza. What fraction of the pizza did they leave behind?