

3.16

Subtracting Fractions with Different Denominators

• Example 1

$$\frac{5}{8} - \frac{1}{6} = \frac{15}{24} - \frac{4}{24} = \frac{11}{24}$$

• • • CHECK YOURSELF 1

Subtract.

$$\frac{7}{10} - \frac{1}{4}$$

• Example 2

$$\frac{7}{15} - \frac{3}{10} = \frac{14}{30} - \frac{9}{30} = \frac{14 - 9}{30} = \frac{5}{30} = \frac{1}{6}$$

• • • CHECK YOURSELF 2

$$\frac{11}{15} - \frac{7}{12}$$

• • • CHECK YOURSELF ANSWERS

1. $\frac{9}{20}$.

2. $\frac{11}{15} - \frac{7}{12} = \frac{44}{60} - \frac{35}{60} = \frac{9}{60} = \frac{3}{20}$.

3.16 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

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7. _____

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9. _____

10. _____

11. _____

12. _____

Subtract.

1. $\frac{4}{5} - \frac{1}{3}$

2. $\frac{7}{9} - \frac{1}{6}$

3. $\frac{11}{15} - \frac{3}{5}$

4. $\frac{5}{6} - \frac{2}{7}$

5. $\frac{3}{8} - \frac{1}{4}$

6. $\frac{9}{10} - \frac{4}{5}$

7. $\frac{5}{12} - \frac{3}{8}$

8. $\frac{13}{15} - \frac{11}{20}$

9. $\frac{13}{25} - \frac{2}{15}$

10. $\frac{11}{12} - \frac{7}{10}$

11. $\frac{15}{27} - \frac{7}{18}$

12. $\frac{7}{20} - \frac{4}{15}$

13. $\frac{13}{18} - \frac{7}{12}$

14. $\frac{17}{30} - \frac{5}{9}$

15. $\frac{33}{40} - \frac{7}{24}$

16. $\frac{13}{24} - \frac{5}{16}$

17. $\frac{7}{8} - \frac{2}{3}$

18. $\frac{5}{6} - \frac{3}{5}$

19. $\frac{11}{18} - \frac{2}{9}$

20. $\frac{5}{6} - \frac{1}{4}$

21. $\frac{5}{8} - \frac{1}{6}$

22. $\frac{13}{18} - \frac{5}{12}$

23. $\frac{8}{21} - \frac{1}{14}$

24. $\frac{13}{18} - \frac{7}{15}$

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

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24. _____