

# 3.14

## Adding Fractions with Different Denominators

### • Example 1

Add the fractions  $\frac{7}{10}$  and  $\frac{2}{15}$ .

$$\begin{aligned}\frac{7}{10} + \frac{2}{15} &= \frac{21}{30} + \frac{4}{30} \\ &= \frac{25}{30} = \frac{5}{6}\end{aligned}$$

### • • • CHECK YOURSELF 1

$$\frac{1}{6} + \frac{7}{12}$$

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### • • • CHECK YOURSELF ANSWER

1.  $\frac{1}{6} + \frac{7}{12} = \frac{2}{12} + \frac{7}{12} = \frac{9}{12} = \frac{3}{4}$ .

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# 3.14 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

Add:

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

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

3.  $\frac{1}{5} + \frac{3}{10}$

4.  $\frac{1}{3} + \frac{1}{18}$

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

6.  $\frac{4}{5} + \frac{1}{10}$

7.  $\frac{1}{7} + \frac{3}{5}$

8.  $\frac{1}{6} + \frac{2}{15}$

9.  $\frac{3}{7} + \frac{3}{14}$

10.  $\frac{7}{20} + \frac{9}{40}$

11.  $\frac{7}{15} + \frac{2}{35}$

12.  $\frac{3}{10} + \frac{3}{8}$

13.  $\frac{5}{8} + \frac{1}{12}$

14.  $\frac{5}{12} + \frac{3}{10}$

15.  $\frac{5}{6} + \frac{7}{9}$

16.  $\frac{4}{15} + \frac{3}{20}$

17.  $\frac{5}{12} + \frac{7}{18}$

18.  $\frac{4}{15} + \frac{9}{25}$

19.  $\frac{13}{16} + \frac{17}{24}$

20.  $\frac{17}{30} + \frac{14}{25}$

21.  $\frac{2}{5} + \frac{1}{4}$

22.  $\frac{2}{3} + \frac{3}{10}$

23.  $\frac{2}{5} + \frac{7}{15}$

24.  $\frac{3}{10} + \frac{7}{12}$

25.  $\frac{3}{8} + \frac{5}{12}$

26.  $\frac{5}{36} + \frac{7}{24}$

27.  $\frac{2}{15} + \frac{9}{20}$

28.  $\frac{9}{14} + \frac{10}{21}$

29.  $\frac{7}{15} + \frac{13}{18}$

30.  $\frac{12}{25} + \frac{19}{30}$

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

24. \_\_\_\_\_

25. \_\_\_\_\_

26. \_\_\_\_\_

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_

30. \_\_\_\_\_