

# 1 Exercises

## 1.1 Common Denominator

Write the fractions to have a common denominator. Use the LCD as the common denominator. Show your work in the space provided.

1.  $\frac{9}{4}$  and  $\frac{1}{2}$   
\_\_\_\_ and \_\_\_\_

2.  $\frac{22}{2}$  and  $\frac{3}{4}$   
\_\_\_\_ and \_\_\_\_

3.  $\frac{4}{3}$  and  $\frac{9}{2}$   
\_\_\_\_ and \_\_\_\_

4.  $\frac{9}{2}$  and  $\frac{13}{3}$   
\_\_\_\_ and \_\_\_\_

5.  $\frac{18}{2}$  and  $\frac{1}{3}$   
\_\_\_\_ and \_\_\_\_

6.  $\frac{1}{2}$  and  $\frac{6}{6}$   
\_\_\_\_ and \_\_\_\_

7.  $\frac{8}{2}$  and  $\frac{7}{6}$   
\_\_\_\_ and \_\_\_\_

8.  $\frac{1}{6}$  and  $\frac{3}{3}$   
\_\_\_\_ and \_\_\_\_

9.  $\frac{3}{8}$  and  $\frac{10}{2}$   
\_\_\_\_ and \_\_\_\_

10.  $\frac{13}{8}$  and  $\frac{3}{4}$   
\_\_\_\_ and \_\_\_\_

11.  $\frac{21}{2}$  and  $\frac{7}{8}$   
\_\_\_\_ and \_\_\_\_

12.  $\frac{2}{3}$  and  $\frac{3}{9}$   
\_\_\_\_ and \_\_\_\_

13.  $\frac{1}{2}$  and  $\frac{2}{5}$   
\_\_\_\_ and \_\_\_\_

14.  $\frac{26}{2}$  and  $\frac{3}{5}$   
\_\_\_\_ and \_\_\_\_

15.  $\frac{3}{4}$  and  $\frac{1}{3}$   
\_\_\_\_ and \_\_\_\_

16.  $\frac{5}{6}$  and  $\frac{4}{4}$   
\_\_\_\_ and \_\_\_\_

17.  $\frac{9}{4}$  and  $\frac{3}{6}$   
\_\_\_\_ and \_\_\_\_

18.  $\frac{1}{4}$  and  $\frac{13}{6}$   
\_\_\_\_ and \_\_\_\_

19.  $\frac{4}{3}$  and  $\frac{7}{5}$   
\_\_\_\_ and \_\_\_\_

20.  $\frac{28}{9}$  and  $\frac{1}{6}$   
\_\_\_\_ and \_\_\_\_

21.  $\frac{25}{9}$  and  $\frac{1}{2}$   
\_\_\_\_ and \_\_\_\_

22.  $\frac{3}{4}$  and  $\frac{19}{5}$   
\_\_\_\_ and \_\_\_\_

23.  $\frac{11}{5}$  and  $\frac{21}{4}$   
\_\_\_\_ and \_\_\_\_

24.  $\frac{23}{5}$  and  $\frac{3}{4}$   
\_\_\_\_ and \_\_\_\_

25.  $\frac{3}{7}$  and  $\frac{2}{3}$   
\_\_\_\_ and \_\_\_\_

26.  $\frac{19}{8}$  and  $\frac{22}{6}$   
\_\_\_\_ and \_\_\_\_

27.  $\frac{9}{6}$  and  $\frac{4}{5}$   
\_\_\_\_ and \_\_\_\_

28.  $\frac{3}{5}$  and  $\frac{26}{6}$   
\_\_\_\_ and \_\_\_\_

29.  $\frac{9}{7}$  and  $\frac{2}{5}$   
\_\_\_\_ and \_\_\_\_

30.  $\frac{10}{5}$  and  $\frac{13}{7}$   
\_\_\_\_ and \_\_\_\_

31.  $\frac{12}{5}$  and  $\frac{15}{7}$   
\_\_\_\_ and \_\_\_\_

32.  $\frac{4}{7}$  and  $\frac{18}{5}$   
\_\_\_\_ and \_\_\_\_

33.  $\frac{4}{9}$  and  $\frac{11}{4}$   
\_\_\_\_ and \_\_\_\_

34.  $\frac{3}{6}$  and  $\frac{2}{7}$   
 \_\_\_\_\_ and \_\_\_\_\_

35.  $\frac{8}{6}$  and  $\frac{13}{7}$   
 \_\_\_\_\_ and \_\_\_\_\_

## 2 Answers

### 2.1 Common Denominator

Write the fractions to have a common denominator. Use the LCD as the common denominator. Show your work in the space provided.

1.  $\frac{9}{4}$  and  $\frac{1}{2}$   
 $\frac{9}{4}$  and  $\frac{2}{4}$

2.  $\frac{22}{2}$  and  $\frac{3}{4}$   
 $\frac{44}{4}$  and  $\frac{3}{4}$

3.  $\frac{4}{3}$  and  $\frac{9}{2}$   
 $\frac{8}{6}$  and  $\frac{27}{6}$

4.  $\frac{9}{2}$  and  $\frac{13}{3}$   
 $\frac{27}{6}$  and  $\frac{26}{6}$

5.  $\frac{18}{2}$  and  $\frac{1}{3}$   
 $\frac{54}{6}$  and  $\frac{2}{6}$

6.  $\frac{1}{2}$  and  $\frac{6}{6}$   
 $\frac{3}{6}$  and  $\frac{6}{6}$

7.  $\frac{8}{2}$  and  $\frac{7}{6}$   
 $\frac{24}{6}$  and  $\frac{7}{6}$

8.  $\frac{1}{6}$  and  $\frac{3}{3}$   
 $\frac{1}{6}$  and  $\frac{6}{6}$

9.  $\frac{3}{8}$  and  $\frac{10}{2}$   
 $\frac{3}{8}$  and  $\frac{40}{8}$

10.  $\frac{13}{8}$  and  $\frac{3}{4}$   
 $\frac{13}{8}$  and  $\frac{6}{8}$

11.  $\frac{21}{2}$  and  $\frac{7}{8}$   
 $\frac{84}{8}$  and  $\frac{7}{8}$

12.  $\frac{2}{3}$  and  $\frac{3}{9}$   
 $\frac{6}{9}$  and  $\frac{3}{9}$

13.  $\frac{1}{2}$  and  $\frac{2}{5}$   
 $\frac{5}{10}$  and  $\frac{4}{10}$

14.  $\frac{26}{2}$  and  $\frac{3}{5}$   
 $\frac{130}{10}$  and  $\frac{6}{10}$

15.  $\frac{3}{4}$  and  $\frac{1}{3}$   
 $\frac{9}{12}$  and  $\frac{4}{12}$

16.  $\frac{5}{6}$  and  $\frac{4}{4}$   
 $\frac{10}{12}$  and  $\frac{12}{12}$

17.  $\frac{9}{4}$  and  $\frac{3}{6}$   
 $\frac{27}{12}$  and  $\frac{6}{12}$

18.  $\frac{1}{4}$  and  $\frac{13}{6}$   
 $\frac{3}{12}$  and  $\frac{26}{12}$

19.  $\frac{4}{3}$  and  $\frac{7}{5}$   
 $\frac{20}{15}$  and  $\frac{21}{15}$

20.  $\frac{28}{9}$  and  $\frac{1}{6}$   
 $\frac{56}{18}$  and  $\frac{3}{18}$

21.  $\frac{25}{9}$  and  $\frac{1}{2}$   
 $\frac{50}{18}$  and  $\frac{9}{18}$

22.  $\frac{3}{4}$  and  $\frac{19}{5}$   
 $\frac{15}{20}$  and  $\frac{76}{20}$

23.  $\frac{11}{5}$  and  $\frac{21}{4}$   
 $\frac{44}{20}$  and  $\frac{105}{20}$

24.  $\frac{23}{5}$  and  $\frac{3}{4}$   
 $\frac{92}{20}$  and  $\frac{15}{20}$

25.  $\frac{3}{7}$  and  $\frac{2}{3}$   
 $\frac{9}{21}$  and  $\frac{14}{21}$

26.  $\frac{19}{8}$  and  $\frac{22}{6}$   
 $\frac{57}{24}$  and  $\frac{88}{24}$

27.  $\frac{9}{6}$  and  $\frac{4}{5}$   
 $\frac{45}{30}$  and  $\frac{24}{30}$

28.  $\frac{3}{5}$  and  $\frac{26}{6}$   
 $\frac{18}{30}$  and  $\frac{130}{30}$

29.  $\frac{9}{7}$  and  $\frac{2}{5}$   
 $\frac{45}{35}$  and  $\frac{14}{35}$

30.  $\frac{10}{5}$  and  $\frac{13}{7}$   
 $\frac{70}{35}$  and  $\frac{65}{35}$

31.

$$\frac{12}{5} \text{ and } \frac{15}{7}$$

$$\frac{84}{35} \text{ and } \frac{75}{35}$$

32.

$$\frac{4}{7} \text{ and } \frac{18}{5}$$

$$\frac{20}{35} \text{ and } \frac{126}{35}$$

33.

$$\frac{4}{9} \text{ and } \frac{11}{4}$$

$$\frac{16}{36} \text{ and } \frac{99}{36}$$

34.

$$\frac{3}{6} \text{ and } \frac{2}{7}$$

$$\frac{21}{42} \text{ and } \frac{12}{42}$$

35.

$$\frac{8}{6} \text{ and } \frac{13}{7}$$

$$\frac{56}{42} \text{ and } \frac{78}{42}$$