

# Adding and Subtracting Fractions with the Same Denominator

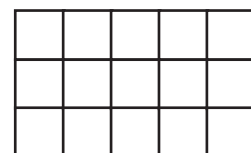
Aim: To add fractions with the same denominator.

For each pair of fractions shade the correct fraction of the shape and add to find the answer.

1.  $\frac{2}{5} + \frac{1}{5} = \underline{\quad}$



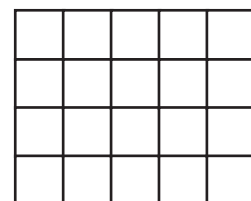
18.  $\frac{2}{15} + \frac{8}{15} = \underline{\quad}$



2.  $\frac{1}{3} + \frac{2}{3} = \underline{\quad}$



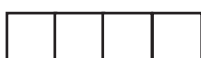
19.  $\frac{3}{20} + \frac{9}{20} = \underline{\quad}$



3.  $\frac{1}{3} + \frac{1}{3} = \underline{\quad}$



4.  $\frac{2}{4} + \frac{1}{4} = \underline{\quad}$



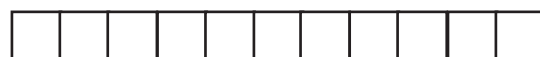
5.  $\frac{3}{5} + \frac{2}{5} = \underline{\quad}$



6.  $\frac{3}{5} + \frac{1}{5} = \underline{\quad}$



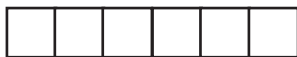
20.  $\frac{2}{11} + \frac{5}{11} = \underline{\quad}$



7.  $\frac{3}{6} + \frac{1}{6} = \underline{\quad}$



8.  $\frac{2}{6} + \frac{3}{6} = \underline{\quad}$



9.  $\frac{4}{7} + \frac{2}{7} = \underline{\quad}$



10.  $\frac{1}{7} + \frac{5}{7} = \underline{\quad}$



11.  $\frac{3}{8} + \frac{2}{8} = \underline{\quad}$



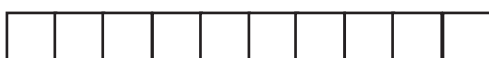
12.  $\frac{3}{8} + \frac{3}{8} = \underline{\quad}$



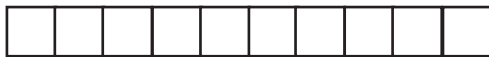
13.  $\frac{5}{9} + \frac{3}{9} = \underline{\quad}$



14.  $\frac{3}{10} + \frac{1}{10} = \underline{\quad}$



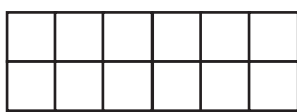
15.  $\frac{3}{10} + \frac{3}{10} = \underline{\quad}$



16.  $\frac{5}{12} + \frac{1}{12} = \underline{\quad}$



17.  $\frac{3}{12} + \frac{4}{12} = \underline{\quad}$



# Adding and Subtracting Fractions with the Same Denominator

Aim: To subtract fractions with the same denominator.

For each pair of fractions shade the larger fraction of the shape and cross out the smaller fraction to find the answer.

1.  $\frac{2}{5} - \frac{1}{5} =$  \_\_\_\_\_



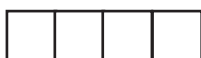
2.  $\frac{2}{3} - \frac{1}{3} =$  \_\_\_\_\_



3.  $\frac{1}{3} - \frac{1}{3} =$  \_\_\_\_\_



4.  $\frac{2}{4} - \frac{1}{4} =$  \_\_\_\_\_



5.  $\frac{3}{5} - \frac{2}{5} =$  \_\_\_\_\_



6.  $\frac{3}{5} - \frac{1}{5} =$  \_\_\_\_\_



7.  $\frac{5}{6} - \frac{1}{6} =$  \_\_\_\_\_



8.  $\frac{4}{6} - \frac{3}{6} =$  \_\_\_\_\_



9.  $\frac{4}{7} - \frac{2}{7} =$  \_\_\_\_\_



10.  $\frac{6}{7} - \frac{3}{7} =$  \_\_\_\_\_



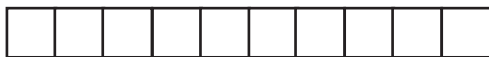
11.  $\frac{5}{8} - \frac{4}{8} =$  \_\_\_\_\_



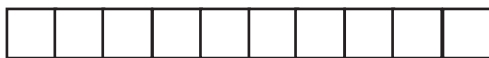
12.  $\frac{7}{8} - \frac{3}{8} =$  \_\_\_\_\_



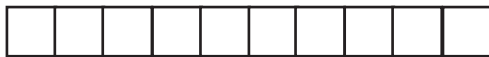
13.  $\frac{6}{10} - \frac{3}{10} =$  \_\_\_\_\_



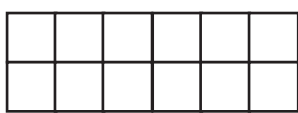
14.  $\frac{3}{10} - \frac{1}{10} =$  \_\_\_\_\_



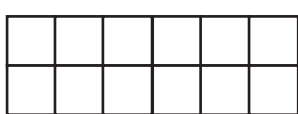
15.  $\frac{8}{10} - \frac{3}{10} =$  \_\_\_\_\_



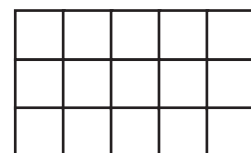
16.  $\frac{5}{12} - \frac{1}{12} =$  \_\_\_\_\_



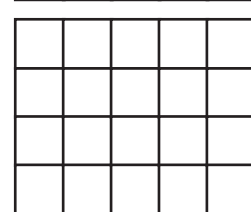
17.  $\frac{11}{12} - \frac{1}{12} =$  \_\_\_\_\_



18.  $\frac{8}{15} - \frac{2}{15} =$  \_\_\_\_\_



19.  $\frac{9}{20} - \frac{3}{20} =$  \_\_\_\_\_



20.  $\frac{5}{11} - \frac{2}{11} =$  \_\_\_\_\_



## Adding and Subtracting Fractions with the Same Denominator– Answers

For each pair of fractions shade the correct fraction of the shape and add to find the answer.

- |   |   |
|---|---|
| 1. $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$  | 11. $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$     |
| 2. $\frac{1}{3} + \frac{2}{3} = \mathbf{1}$   | 12. $\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$     |
| 3. $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$  | 13. $\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$     |
| 4. $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$  | 14. $\frac{3}{10} + \frac{1}{10} = \frac{4}{10}$  |
| 5. $\frac{3}{5} + \frac{2}{5} = \mathbf{1}$   | 15. $\frac{3}{10} + \frac{3}{10} = \frac{6}{10}$  |
| 6. $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$  | 16. $\frac{5}{12} + \frac{1}{12} = \frac{6}{12}$  |
| 7. $\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$  | 17. $\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$  |
| 8. $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$  | 18. $\frac{2}{15} + \frac{8}{15} = \frac{10}{15}$ |
| 9. $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$  | 19. $\frac{3}{20} + \frac{9}{20} = \frac{12}{20}$ |
| 10. $\frac{1}{7} + \frac{5}{7} = \frac{6}{7}$ | 20. $\frac{2}{11} + \frac{5}{11} = \frac{7}{11}$  |

For each pair of fractions shade the larger fraction of the shape and cross out the smaller fraction to find the answer.

- |   |  |
|---|--|
| 1. $\frac{2}{5} - \frac{1}{5} = \frac{1}{5}$  | 11. $\frac{5}{8} - \frac{4}{8} = \frac{1}{8}$      |
| 2. $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$  | 12. $\frac{7}{8} - \frac{3}{8} = \frac{4}{8}$      |
| 3. $\frac{1}{3} - \frac{1}{3} = \mathbf{0}$   | 13. $\frac{6}{10} - \frac{3}{10} = \frac{3}{10}$   |
| 4. $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$  | 14. $\frac{3}{10} - \frac{1}{10} = \frac{2}{10}$   |
| 5. $\frac{3}{5} - \frac{2}{5} = \frac{1}{5}$  | 15. $\frac{8}{10} - \frac{3}{10} = \frac{5}{10}$   |
| 6. $\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$  | 16. $\frac{5}{12} - \frac{1}{12} = \frac{4}{12}$   |
| 7. $\frac{5}{6} - \frac{1}{6} = \frac{4}{6}$  | 17. $\frac{11}{12} - \frac{1}{12} = \frac{10}{12}$ |
| 8. $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$  | 18. $\frac{8}{15} - \frac{2}{15} = \frac{6}{15}$   |
| 9. $\frac{4}{7} - \frac{2}{7} = \frac{2}{7}$  | 19. $\frac{9}{20} - \frac{3}{20} = \frac{6}{20}$   |
| 10. $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$ | 20. $\frac{5}{11} - \frac{2}{11} = \frac{3}{11}$   |

# Adding and Subtracting Fractions with the Same Denominator

Aim: To add fractions with the same denominator.

Add the fractions.

1.  $\frac{2}{5} + \frac{1}{5} = \underline{\quad}$

2.  $\frac{1}{3} + \frac{2}{3} = \underline{\quad}$

3.  $\frac{1}{3} + \frac{1}{3} = \underline{\quad}$

4.  $\frac{2}{4} + \frac{1}{4} = \underline{\quad}$

5.  $\frac{3}{5} + \frac{2}{5} = \underline{\quad}$

6.  $\frac{3}{5} + \frac{1}{5} = \underline{\quad}$

7.  $\frac{3}{6} + \frac{1}{6} = \underline{\quad}$

8.  $\frac{2}{6} + \frac{3}{6} = \underline{\quad}$

9.  $\frac{4}{7} + \frac{2}{7} = \underline{\quad}$

10.  $\frac{1}{7} + \frac{5}{7} = \underline{\quad}$

11.  $\frac{3}{8} + \frac{2}{8} = \underline{\quad}$

12.  $\frac{5}{9} + \frac{3}{9} = \underline{\quad}$

13.  $\frac{6}{10} + \frac{3}{10} = \underline{\quad}$

14.  $\frac{3}{10} + \frac{1}{10} = \underline{\quad}$

15.  $\frac{3}{8} + \frac{3}{8} = \underline{\quad}$

16.  $\frac{5}{12} + \frac{1}{12} = \underline{\quad}$

17.  $\frac{3}{12} + \frac{4}{12} = \underline{\quad}$

18.  $\frac{2}{15} + \frac{8}{15} = \underline{\quad}$

19.  $\frac{3}{20} + \frac{9}{20} = \underline{\quad}$

20.  $\frac{2}{11} + \frac{5}{11} = \underline{\quad}$

# Adding and Subtracting Fractions with the Same Denominator

Aim: To subtract fractions with the same denominator.

Subtract the fractions.

1.  $\frac{4}{5} - \frac{1}{5} = \underline{\quad}$

2.  $\frac{2}{3} - \frac{1}{3} = \underline{\quad}$

3.  $\frac{1}{3} - \frac{1}{3} = \underline{\quad}$

4.  $\frac{2}{4} - \frac{1}{4} = \underline{\quad}$

5.  $\frac{4}{5} - \frac{2}{5} = \underline{\quad}$

6.  $\frac{3}{5} - \frac{1}{5} = \underline{\quad}$

7.  $\frac{5}{6} - \frac{1}{6} = \underline{\quad}$

8.  $\frac{4}{6} - \frac{3}{6} = \underline{\quad}$

9.  $\frac{4}{7} - \frac{2}{7} = \underline{\quad}$

10.  $\frac{6}{7} - \frac{3}{7} = \underline{\quad}$

11.  $\frac{3}{8} - \frac{2}{8} = \underline{\quad}$

12.  $\frac{5}{9} - \frac{3}{9} = \underline{\quad}$

13.  $\frac{6}{10} - \frac{3}{10} = \underline{\quad}$

14.  $\frac{3}{10} - \frac{1}{10} = \underline{\quad}$

15.  $\frac{3}{8} - \frac{3}{8} = \underline{\quad}$

16.  $\frac{5}{12} - \frac{1}{12} = \underline{\quad}$

17.  $\frac{11}{12} - \frac{1}{12} = \underline{\quad}$

18.  $\frac{7}{12} - \frac{4}{12} = \underline{\quad}$

19.  $\frac{13}{15} - \frac{7}{15} = \underline{\quad}$

20.  $\frac{19}{20} - \frac{9}{20} = \underline{\quad}$

## Adding and Subtracting Fractions with the Same Denominator– Answers

Add the fractions.

- $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$
- $\frac{1}{3} + \frac{2}{3} = \mathbf{1}$
- $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$
- $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$
- $\frac{3}{5} + \frac{2}{5} = \mathbf{1}$
- $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$
- $\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$
- $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$
- $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$
- $\frac{1}{7} + \frac{5}{7} = \frac{6}{7}$
- $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$
- $\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$
- $\frac{6}{10} + \frac{3}{10} = \frac{9}{10}$
- $\frac{3}{10} + \frac{1}{10} = \frac{4}{10}$
- $\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$
- $\frac{5}{12} + \frac{1}{12} = \frac{6}{12}$
- $\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$
- $\frac{2}{15} + \frac{8}{15} = \frac{10}{15}$
- $\frac{3}{20} + \frac{9}{20} = \frac{12}{20}$
- $\frac{2}{11} + \frac{5}{11} = \frac{7}{11}$

Subtract the fractions.

- $\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$
- $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$
- $\frac{1}{3} - \frac{1}{3} = \mathbf{0}$
- $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$
- $\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$
- $\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$
- $\frac{5}{6} - \frac{1}{6} = \frac{4}{6}$
- $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$
- $\frac{4}{7} - \frac{2}{7} = \frac{2}{7}$
- $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$
- $\frac{3}{8} - \frac{2}{8} = \frac{1}{8}$
- $\frac{5}{9} - \frac{3}{9} = \frac{2}{9}$
- $\frac{6}{10} - \frac{3}{10} = \frac{3}{10}$
- $\frac{3}{10} - \frac{1}{10} = \frac{2}{10}$
- $\frac{3}{8} - \frac{3}{8} = \mathbf{0}$
- $\frac{5}{12} - \frac{1}{12} = \frac{4}{12}$
- $\frac{11}{12} - \frac{1}{12} = \frac{10}{12}$
- $\frac{7}{12} - \frac{4}{12} = \frac{3}{12}$
- $\frac{13}{15} - \frac{7}{15} = \frac{6}{15}$
- $\frac{19}{20} - \frac{9}{20} = \frac{10}{20}$

# Adding and Subtracting Fractions with the Same Denominator

Aim: To add and subtract fractions with the same denominator.

For each fraction write a pair of fractions that total the given fraction.

1.  $\underline{\quad} + \underline{\quad} = \frac{2}{3}$

2.  $\underline{\quad} + \underline{\quad} = \frac{3}{4}$

3.  $\underline{\quad} + \underline{\quad} = \frac{5}{6}$

4.  $\underline{\quad} + \underline{\quad} = \frac{3}{7}$

5.  $\underline{\quad} + \underline{\quad} = \frac{5}{8}$

6.  $\underline{\quad} + \underline{\quad} = \frac{7}{9}$

7.  $\underline{\quad} + \underline{\quad} = \frac{9}{10}$

8.  $\underline{\quad} + \underline{\quad} = \frac{7}{12}$

9.  $\underline{\quad} + \underline{\quad} = \frac{13}{15}$

10.  $\underline{\quad} + \underline{\quad} = \frac{17}{20}$

For each fraction write a pair of fractions where the difference is the given fraction.

1.  $\underline{\quad} - \underline{\quad} = \frac{2}{3}$

2.  $\underline{\quad} - \underline{\quad} = \frac{3}{4}$

3.  $\underline{\quad} - \underline{\quad} = \frac{5}{6}$

4.  $\underline{\quad} - \underline{\quad} = \frac{3}{7}$

5.  $\underline{\quad} - \underline{\quad} = \frac{5}{8}$

6.  $\underline{\quad} - \underline{\quad} = \frac{7}{9}$

7.  $\underline{\quad} - \underline{\quad} = \frac{9}{10}$

8.  $\underline{\quad} - \underline{\quad} = \frac{7}{12}$

9.  $\underline{\quad} - \underline{\quad} = \frac{13}{15}$

10.  $\underline{\quad} - \underline{\quad} = \frac{17}{20}$

# **Adding and Subtracting Fractions with the Same Denominator – Answers**

There are many possible answers.