

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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. $\frac{2}{5} - \frac{1}{5} =$ —

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2. $\frac{2}{3} - \frac{1}{3} =$ —

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3. $\frac{1}{3} - \frac{1}{3} =$ —

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4. $\frac{2}{4} - \frac{1}{4} =$ —

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5. $\frac{3}{5} - \frac{2}{5} =$ —

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6. $\frac{3}{5} - \frac{1}{5} =$ —

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7. $\frac{5}{6} - \frac{1}{6} =$ —

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8. $\frac{4}{6} - \frac{3}{6} =$ —

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9. $\frac{4}{7} - \frac{2}{7} =$ —

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10. $\frac{6}{7} - \frac{3}{7} =$ —

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11. $\frac{5}{8} - \frac{4}{8} =$ —

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12. $\frac{7}{8} - \frac{3}{8} =$ —

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13. $\frac{6}{10} - \frac{3}{10} =$ —

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14. $\frac{3}{10} - \frac{1}{10} =$ —

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15. $\frac{8}{10} - \frac{3}{10} =$ —

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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. $\frac{5}{11} - \frac{2}{11} =$ —

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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.

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|---|---|
| 1. $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$ | 11. $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ |
| 2. $\frac{1}{3} + \frac{2}{3} = 1$ | 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. $\frac{3}{5} + \frac{2}{5} = 1$ | 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.

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|---|--|
| 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. $\frac{1}{3} - \frac{1}{3} = 0$ | 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.

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

Subtract the fractions.

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

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.