

Adding and Subtracting Fractions with the Same Denominator

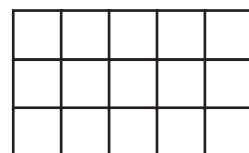
Aim: To add fractions with the same denominator.

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

1. $\frac{2}{5} + \frac{1}{5} =$ _____



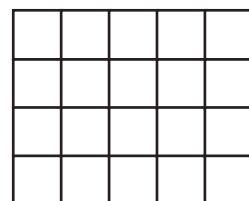
18. $\frac{2}{15} + \frac{8}{15} =$ _____



2. $\frac{1}{3} + \frac{2}{3} =$ _____



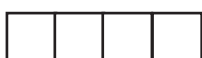
19. $\frac{3}{20} + \frac{9}{20} =$ _____



3. $\frac{1}{3} + \frac{1}{3} =$ _____



4. $\frac{2}{4} + \frac{1}{4} =$ _____



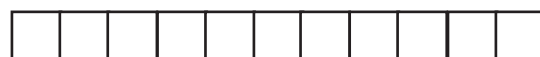
5. $\frac{3}{5} + \frac{2}{5} =$ _____



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



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



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



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



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



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



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



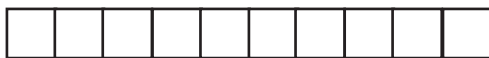
12. $\frac{3}{8} + \frac{3}{8} =$ _____



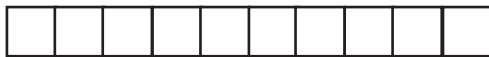
13. $\frac{5}{9} + \frac{3}{9} =$ _____



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



15. $\frac{3}{10} + \frac{3}{10} =$ _____



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



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



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



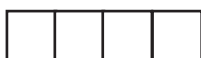
2. $\frac{2}{3} - \frac{1}{3} =$ _____



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. $\frac{6}{7} - \frac{3}{7} =$ _____



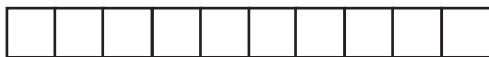
11. $\frac{5}{8} - \frac{4}{8} =$ _____



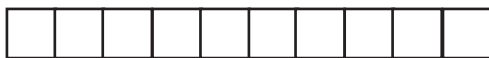
12. $\frac{7}{8} - \frac{3}{8} =$ _____



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



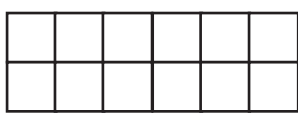
14. $\frac{3}{10} - \frac{1}{10} =$ _____



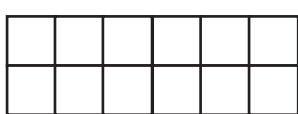
15. $\frac{8}{10} - \frac{3}{10} =$ _____



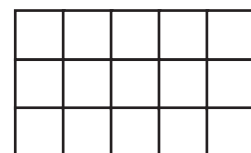
16. $\frac{5}{12} - \frac{1}{12} =$ _____



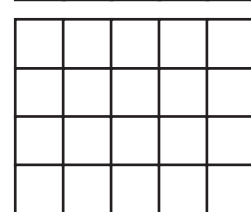
17. $\frac{11}{12} - \frac{1}{12} =$ _____



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.

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

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

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

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.

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

Subtract the fractions.

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

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.