Adding/Subtracting Fractions

Using Reducing Method to Find CD

1. **Find a CD**
2. **Make = fractions**
3. **Add/subtract numerators**
4. **Bring down denominator**
5. **Simplify**

Example 5/18 + 7/24

find CD; $\frac{24}{18} = \frac{4}{3}, \therefore CD\ is\ 3x24 = 72$

$$\frac{5}{18} = \frac{20}{72}$$
$$+\frac{7}{24} = \frac{21}{72}$$
$$\frac{41}{72}$$

Recall – to find the LCD when denominators are larger composite numbers, place the denominators over each other, simplify, then cross multiply.

1. 2/5
   - 3/16
   _____

2. 3/16
   - 1/8
   _____

3. 1/3
   + 17/45
   _____

4. 1/12
   + 1/5
   _____

5. 1/8
   + 9/20
   _____

6. 7/16
   - 1/3
   _____

7. 1/2
   - 2/15
   _____

8. 1/8
   + 1/4
   _____

9. 3/8
   + 1/4
   _____

10. 5/24
    + 1/2
    _____

11. 5/16
    + 1/5
    _____

12. 3/16
    + 5/12
    _____

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$$+\frac{7}{24} = \frac{21}{72}$$
$$\frac{41}{72}$$

Recall – to find the LCD when denominators are larger composite numbers, place the denominators over each other, simplify, then cross multiply.

1. 1/10 + 3/35 _____

2. 15/32 + 7/24 _____

3. 1/4 + 1/15 _____

4. 5/16 + 1/8 _____

5. 7/16 - 3/40 _____

6. 1/2 - 1/4 _____

7. 1/4 - 1/4 _____

8. 5/12 - 2/5 _____

9. 5/12 - 2/15 _____

10. 1/2 + 1/6 _____

11. 12/25 - 1/5 _____

12. 13/28 - 1/8 _____

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5. **Simplify**

Example 5/18 + 7/24

find CD; $\frac{24}{18} = \frac{4}{3}, \therefore CD\ is\ 3x24 = 7$

$$\frac{5}{18} = \frac{20}{72}$$
$$+\frac{7}{24} = \frac{21}{72}$$
$$\frac{41}{72}$$

Recall – to find the LCD when denominators are larger composite numbers, place the denominators over each other, simplify, then cross multiply.

1. 7/16
   - 1/40
   _____

2. 5/12
   + 1/3
   _____

3. 1/2
   - 2/9
   _____

4. 1/9
   + 2/9
   _____

5. 1/6
   - 1/24
   _____

6. 7/40
   - 1/8
   _____

7. 1/4
   - 1/14
   _____

8. 1/4
   + 11/28
   _____

9. 9/20
   + 2/5
   _____

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Example 5/18 + 7/24

find CD; $\frac{24}{18} = \frac{4}{3}, \therefore CD\ is\ 3x24 = 72$

$$\frac{5}{18} = \frac{20}{72}$$
$$+\frac{7}{24} = \frac{21}{72}$$
$$\frac{41}{72}$$

Recall – to find the LCD when denominators are larger composite numbers, place the denominators over each other, simplify, then cross multiply.

1. 3/8
   + 1/14
   _____

2. 1/2
   - 3/7
   _____

3. 1/4
   + 1/8
   _____

4. 1/6
   + 22/45
   _____

5. 11/24
   + 13/40
   _____

6. 11/24
   - 1/20
   _____

7. 1/2
   - 4/15
   _____

8. 1/12
   + 19/40
   _____

9. 2/27
   + 1/9
   _____

10. 1/4
    - 3/28
    _____

11. 15/32
    - 1/6
    _____

12. 1/2
    - 1/8
    _____

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1. **Find a CD**
2. **Make = fractions**
3. **Add/subtract numerators**
4. **Bring down denominator**
5. **Simplify**

Example 5/18 + 7/24

find CD; $\frac{24}{18} = \frac{4}{3}, \therefore CD\ is\ 3x2$

$$\frac{5}{18} = \frac{20}{72}$$
$$+\frac{7}{24} = \frac{21}{72}$$
$$\frac{41}{72}$$

Recall – to find the LCD when denominators are larger composite numbers, place the denominators over each other, simplify, then cross multiply.

1. 5/16
   + 1/8
   _____

2. 7/16
   + 1/24
   _____

3. 11/24
   + 7/40
   _____

4. 3/8
   - 2/7
   _____

5. 7/24
   + 3/20
   _____

6. 5/18
   + 5/24
   _____

7. 5/18
   + 1/2
   _____

8. 1/4
   + 1/4
   _____

9. 1/3
   - 1/6
   _____

10. 3/16
    + 3/8
    _____

11. 1/4
    + 1/6
    _____

12. 7/20
    + 2/35
    _____