ADD/SUBTRACT/MULTIPLY/DIVIDE COMPLEX FRACTIONS EXERCISES
ANSWER KEY

Addition:

1. 3 2/6 + 7 1/6 = **10 3/6** = **10 1/2**

2. 20 1/3 + 5 1/6 = **25 + 2/6 + 1/6 = 25 3/6** = **25 1/2**

3. 11 2/6 + 14 2/5 = **11 10/30 + 14 12/30 = 25 22/30** = **25 11/15**

4. 161 2/9 + 100 1/7 = **261 14/63 + 9/63** = **261 23/63**

Subtraction:

1. 10 5/6 - 5 1/6 = **5 4/6** = **5 2/3**

2. 24 9/14 - 12 3/7 = **12 9/14 - 6/14** = **12 3/14**

3. **30 2/3 - 14 3/7 = 16 14/21 - 9/21 = 16 5/21**

4. 9 2/5 - 3 1/10 = **6 4/10 - 1/10** = **6 3/10**

Multiplication:

1. 3/5 x 10 = **3/5 x 10/1 = 30/5** = **6**

2. 4 1/6 x 2/3 = 25/6 x 2/3 **= 50/18 = 2 14/18** = **2 7/9**

3. 2/7 x 2 2/9 = **16/7 x 20/9 = 320/63** = **5 5/63**

4. 10 6/7 x 3 4/9 = **76/7 x 31/9 = 2,356/63** = **37 25/63**

Division:

1. 1/3 ÷ 1/4 = **1/3 x 4/1 = 4/3** = **1 1 /3**

2. 4 1/2 ÷ 1/3 = **9/2 x 3/1 = 27 /2** = **13 1/2**

3. 10 ÷ 3/10 = **10/1 x 10/3 = 100/3** = **33 1/3**

4. 6 1/3 ÷ 2 1/5 = **19/3 x 5/11 = 95/33** = **2 29/33**

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