

Name

Date



# ADDING SUBTRACTING IMPROPER FRACTIONS SHEET 3

- Add or subtract the fractions then simplify the answer if needed.
- Give your answer as both an improper fraction and a mixed fraction.

1)  $\frac{5}{4} + \frac{4}{3} =$

2)  $\frac{9}{5} - \frac{3}{2} =$

3)  $\frac{11}{5} - \frac{5}{3} =$

4)  $\frac{3}{2} + \frac{5}{4} =$

5)  $\frac{12}{7} + \frac{9}{7} =$

6)  $\frac{17}{9} - \frac{4}{3} =$

7)  $\frac{11}{7} - \frac{3}{2} =$

8)  $\frac{7}{4} + \frac{6}{5} =$

9)  $\frac{14}{3} + \frac{11}{6} =$

10)  $\frac{11}{3} - \frac{7}{4} =$

11)  $\frac{20}{7} + \frac{5}{2} =$

12)  $\frac{14}{5} - \frac{5}{3} =$

13)  $\frac{11}{4} - \frac{11}{6} =$

14)  $\frac{9}{4} + \frac{8}{5} =$

15)  $\frac{10}{9} + \frac{7}{3} =$

16)  $\frac{15}{6} - \frac{7}{5} =$

17)  $\frac{16}{3} - \frac{7}{4} =$

18)  $\frac{15}{4} + \frac{13}{12} =$

19)  $\frac{12}{5} + \frac{11}{6} =$

20)  $\frac{11}{6} - \frac{9}{7} =$





# ADDING SUBTRACTING IMPROPER FRACTIONS

## SHEET 3 ANSWERS

$$1) \quad \frac{5}{4} + \frac{4}{3} = \frac{31}{12} \quad \text{or } 2 \frac{7}{12} \quad 2) \quad \frac{9}{5} - \frac{3}{2} = \frac{3}{10}$$

$$3) \quad \frac{11}{5} - \frac{5}{3} = \frac{8}{15} \quad 4) \quad \frac{3}{2} + \frac{5}{4} = \frac{11}{4} \quad \text{or } 2 \frac{3}{4}$$

$$5) \quad \frac{12}{7} + \frac{9}{7} = \frac{21}{7} = 3 \quad 6) \quad \frac{17}{9} - \frac{4}{3} = \frac{5}{9}$$

$$7) \quad \frac{11}{7} - \frac{3}{2} = \frac{1}{14} \quad 8) \quad \frac{7}{4} + \frac{6}{5} = \frac{59}{20} \quad \text{or } 2 \frac{19}{20}$$

$$9) \quad \frac{14}{3} + \frac{11}{6} = \frac{13}{2} \quad \text{or } 6 \frac{1}{2} \quad 10) \quad \frac{11}{3} - \frac{7}{4} = \frac{23}{12} \quad \text{or } 1 \frac{11}{12}$$

$$11) \quad \frac{20}{7} + \frac{5}{2} = \frac{75}{14} \quad \text{Or } 5 \frac{5}{14} \quad 12) \quad \frac{14}{5} - \frac{5}{3} = \frac{17}{15} \quad \text{Or } 1 \frac{2}{15}$$

$$13) \quad \frac{11}{4} - \frac{11}{6} = \frac{11}{12} \quad 14) \quad \frac{9}{4} + \frac{8}{5} = \frac{77}{20} = 3 \frac{17}{20}$$

$$15) \quad \frac{10}{9} + \frac{7}{3} = \frac{31}{9} \quad \text{or } 3 \frac{4}{9} \quad 16) \quad \frac{15}{6} - \frac{7}{5} = \frac{11}{10} \quad \text{or } 1 \frac{1}{10}$$

$$17) \quad \frac{16}{3} - \frac{7}{4} = \frac{43}{12} \quad \text{or } 3 \frac{7}{12} \quad 18) \quad \frac{15}{4} + \frac{13}{12} = \frac{29}{6} \quad \text{Or } 4 \frac{5}{6}$$

$$19) \quad \frac{12}{5} + \frac{11}{6} = \frac{127}{30} \quad \text{Or } 4 \frac{7}{30} \quad 20) \quad \frac{11}{6} - \frac{9}{7} = \frac{23}{42}$$

