

1. $4\frac{1}{2} \cdot 2\frac{1}{2} + \frac{9}{4} =$

2. $\frac{3}{4} \cdot 2\frac{1}{2} + 2 =$

3. $1\frac{1}{7} \cdot \frac{13}{6} + 1\frac{5}{6} =$

4. $\frac{11}{5} \cdot 3 + \frac{5}{2} \cdot 1\frac{2}{5} =$

5. $\frac{13}{6} \cdot 2\frac{1}{5} + 3 \cdot \frac{3}{5} =$

6. $\frac{3}{5} : 1\frac{3}{5} + 1\frac{1}{7} =$

7. $\frac{3}{7} : \frac{9}{5} + \frac{5}{7} =$

8. $4\frac{1}{3} : 1\frac{2}{7} + \frac{11}{6} : 2 =$

9. $3\frac{1}{3} : \frac{11}{6} + \frac{9}{2} : \frac{5}{3} =$

10. $3\frac{1}{4} \cdot 1\frac{4}{7} \cdot 2\frac{1}{2} =$

11. $1\frac{3}{4} \cdot \frac{5}{7} \cdot \frac{3}{4} =$

12. $\frac{13}{2} \cdot \frac{5}{7} + \frac{7}{3} =$

13. $\frac{11}{6} \cdot 1\frac{1}{3} + \frac{3}{5} =$

14. $\frac{11}{3} \cdot \frac{4}{3} + 2 \cdot \frac{6}{5} =$

15. $\frac{12}{5} \cdot \frac{9}{2} + \frac{6}{7} \cdot 1\frac{1}{5} =$

16. $\frac{4}{5} \cdot 2\frac{1}{3} + 3 =$

17. $1\frac{5}{6} \cdot 1\frac{1}{6} + 1\frac{5}{7} =$

18. $2\frac{1}{5} : 2 + \frac{2}{3} : 2 =$

19. $\frac{12}{5} : 2 + \frac{1}{2} : 3 =$

$$1. \quad 4\frac{1}{2} \cdot 2\frac{1}{2} + \frac{9}{4} = \frac{45}{4} + \frac{9}{4} = \frac{45+9}{4} = \frac{54}{4} = \frac{27}{2} = 13\frac{1}{2}$$

$$2. \quad \frac{3}{4} \cdot 2\frac{1}{2} + 2 = \frac{15}{8} + \frac{2}{1} = \frac{15+16}{8} = \frac{31}{8} = 3\frac{7}{8}$$

$$3. \quad 1\frac{1}{7} \cdot \frac{13}{6} + 1\frac{5}{6} = \frac{52}{21} + \frac{11}{6} = \frac{104+77}{42} = \frac{181}{42} = 4\frac{13}{42}$$

$$4. \quad \frac{11}{5} \cdot 3 + \frac{5}{2} \cdot 1\frac{2}{5} = \frac{33}{5} + \frac{7}{2} = \frac{101}{10} = 10\frac{1}{10}$$

$$5. \quad \frac{13}{6} \cdot 2\frac{1}{5} + 3 \cdot \frac{3}{5} = \frac{143}{30} + \frac{9}{5} = \frac{197}{30} = 6\frac{17}{30}$$

$$6. \quad \frac{3}{5} : 1\frac{3}{5} + 1\frac{1}{7} = \frac{3}{5} \cdot \frac{5}{8} + 1\frac{1}{7} = \frac{3}{8} + \frac{8}{7} = \frac{21+64}{56} = \frac{85}{56} = 1\frac{29}{56}$$

$$7. \quad \frac{3}{7} : \frac{9}{5} + \frac{5}{7} = \frac{3}{7} \cdot \frac{5}{9} + \frac{5}{7} = \frac{5}{21} + \frac{5}{7} = \frac{5+15}{21} = \frac{20}{21}$$

$$8. \quad 4\frac{1}{3} : 1\frac{2}{7} + \frac{11}{6} : 2 = \frac{13}{3} \cdot \frac{7}{9} + \frac{11}{6} \cdot \frac{1}{2} = \frac{91}{27} + \frac{11}{12} = \frac{463}{108} = 4\frac{31}{108}$$

$$9. \quad 3\frac{1}{3} : \frac{11}{6} + \frac{9}{2} : \frac{5}{3} = \frac{10}{3} \cdot \frac{6}{11} + \frac{9}{2} \cdot \frac{3}{5} = \frac{20}{11} + \frac{27}{10} = \frac{497}{110} = 4\frac{57}{110}$$

$$10. \quad 3\frac{1}{4} \cdot 1\frac{4}{7} \cdot 2\frac{1}{2} = \frac{715}{56} = 12\frac{43}{56}$$

$$11. \quad 1\frac{3}{4} \cdot \frac{5}{7} \cdot \frac{3}{4} = \frac{15}{16}$$

$$12. \quad \frac{13}{2} \cdot \frac{5}{7} + \frac{7}{3} = \frac{65}{14} + \frac{7}{3} = \frac{195+98}{42} = \frac{293}{42} = 6\frac{41}{42}$$

$$13. \quad \frac{11}{6} \cdot 1\frac{1}{3} + \frac{3}{5} = \frac{22}{9} + \frac{3}{5} = \frac{110+27}{45} = \frac{137}{45} = 3\frac{2}{45}$$

$$14. \quad \frac{11}{3} \cdot \frac{4}{3} + 2 \cdot \frac{6}{5} = \frac{44}{9} + \frac{12}{5} = \frac{328}{45} = 7\frac{13}{45}$$

$$15. \quad \frac{12}{5} \cdot \frac{9}{2} + \frac{6}{7} \cdot 1\frac{1}{5} = \frac{54}{5} + \frac{36}{35} = \frac{414}{35} = 11\frac{29}{35}$$

$$16. \quad \frac{4}{5} \cdot 2\frac{1}{3} + 3 = \frac{28}{15} + \frac{3}{1} = \frac{28+45}{15} = \frac{73}{15} = 4\frac{13}{15}$$

$$17. \quad 1\frac{5}{6} \cdot 1\frac{1}{6} + 1\frac{5}{7} = \frac{77}{36} + \frac{12}{7} = \frac{539+432}{252} = \frac{971}{252} = 3\frac{215}{252}$$

$$18. \quad 2\frac{1}{5} : 2 + \frac{2}{3} : 2 = \frac{11}{5} \cdot \frac{1}{2} + \frac{2}{3} \cdot \frac{1}{2} = \frac{11}{10} + \frac{1}{3} = \frac{43}{30} = 1\frac{13}{30}$$

$$19. \quad \frac{12}{5} : 2 + \frac{1}{2} : 3 = \frac{12}{5} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{3} = \frac{6}{5} + \frac{1}{6} = \frac{41}{30} = 1\frac{11}{30}$$