

Add Mixed Numbers Worksheets

a. $2\frac{1}{4} + 1\frac{1}{5} =$

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

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

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

e. $3\frac{1}{3} + 4\frac{5}{7} =$

f. $2\frac{6}{7} + 5\frac{2}{3} =$

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$$\begin{aligned} \text{a) } 2\frac{1}{4} + 1\frac{1}{5} &= 3 + \frac{1}{4} + \frac{1}{5} \\ &= 3 + \left(\frac{1 \times 5}{4 \times 5}\right) + \left(\frac{1 \times 4}{5 \times 4}\right) \\ &= 3 + \frac{5}{20} + \frac{4}{20} \\ &= 3\frac{9}{20} \end{aligned}$$

$$\begin{aligned} \text{c) } 1\frac{1}{3} + 2\frac{1}{3} &= 3 + \left(\frac{1 \times 3}{3 \times 3}\right) + \left(\frac{1 \times 3}{3 \times 3}\right) \\ &= 3 + \frac{3}{9} + \frac{3}{9} \\ &= 3\frac{6}{9} \end{aligned}$$

$$\begin{aligned} \text{e) } 3\frac{1}{3} + 4\frac{1}{3} &= 7 + \frac{1}{3} + \frac{1}{3} \\ &= 7 + \frac{2}{6} + \frac{2}{6} \\ &= 7\frac{4}{6} = 7\frac{2}{3} \end{aligned}$$

$$\begin{aligned} \text{g) } 15\frac{1}{5} + 3\frac{1}{5} &= 18 + \frac{1}{5} + \frac{1}{5} \\ &= 18 + \frac{2}{10} + \frac{2}{10} \\ &= 18\frac{4}{10} = 18\frac{2}{5} \end{aligned}$$

$$\begin{aligned} \text{b) } 2\frac{3}{4} + 1\frac{2}{5} &= 3 + \frac{3}{4} + \frac{2}{5} \\ &= 3 + \left(\frac{3 \times 5}{4 \times 5}\right) + \left(\frac{2 \times 4}{5 \times 4}\right) \\ &= 3 + \frac{15}{20} + \frac{8}{20} \\ &= 3 + \frac{23}{20} = 4\frac{3}{20} \end{aligned}$$

$$\begin{aligned} \text{d) } 4\frac{2}{3} + 1\frac{2}{3} &= 5 + \left(\frac{2 \times 3}{3 \times 3}\right) + \left(\frac{2 \times 3}{3 \times 3}\right) \\ &= 5 + \frac{6}{9} + \frac{6}{9} \\ &= 5\frac{12}{9} = 6\frac{4}{3} \end{aligned}$$

$$\begin{aligned} \text{f) } 2\frac{6}{7} + 5\frac{2}{7} &= 7 + \frac{6}{7} + \frac{2}{7} \\ &= 7 + \frac{8}{7} = 8\frac{1}{7} \end{aligned}$$

$$\begin{aligned} \text{h) } 15\frac{5}{8} + 5\frac{2}{8} &= 20 + \frac{5}{8} + \frac{2}{8} \\ &= 20 + \frac{7}{8} = 20\frac{7}{8} \end{aligned}$$