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Teacher : _____

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Adding Fractions

$$1) \frac{5}{21} + \frac{4}{7} + \frac{6}{7} = \frac{5}{21} + \frac{12}{21} + \frac{18}{21} = \frac{35}{21} = \frac{5}{3} = 1\frac{2}{3}$$

$$2) \frac{2}{3} + \frac{2}{4} + \frac{3}{4} = \frac{8}{12} + \frac{6}{12} + \frac{9}{12} = \frac{23}{12} = 1\frac{11}{12}$$

$$3) \frac{2}{3} + \frac{5}{6} + \frac{2}{3} = \frac{4}{6} + \frac{5}{6} + \frac{4}{6} = \frac{13}{6} = 2\frac{1}{6}$$

$$4) \frac{1}{3} + \frac{2}{6} + \frac{2}{3} = \frac{2}{6} + \frac{2}{6} + \frac{4}{6} = \frac{8}{6} = \frac{4}{3} = 1\frac{1}{3}$$

$$5) \frac{3}{4} + \frac{1}{14} + \frac{7}{28} = \frac{21}{28} + \frac{2}{28} + \frac{7}{28} = \frac{30}{28} = \frac{15}{14} = 1\frac{1}{14}$$

$$6) \frac{3}{5} + \frac{3}{4} + \frac{5}{20} = \frac{12}{20} + \frac{15}{20} + \frac{5}{20} = \frac{32}{20} = \frac{8}{5} = 1\frac{3}{5}$$

$$7) \frac{2}{7} + \frac{3}{4} + \frac{9}{28} = \frac{8}{28} + \frac{21}{28} + \frac{9}{28} = \frac{38}{28} = \frac{19}{14} = 1\frac{5}{14}$$

$$8) \frac{2}{5} + \frac{2}{4} + \frac{10}{20} = \frac{8}{20} + \frac{10}{20} + \frac{10}{20} = \frac{28}{20} = \frac{7}{5} = 1\frac{2}{5}$$

$$9) \frac{12}{13} + \frac{9}{26} + \frac{5}{26} = \frac{24}{26} + \frac{9}{26} + \frac{5}{26} = \frac{38}{26} = \frac{19}{13} = 1\frac{6}{13}$$

$$10) \frac{8}{14} + \frac{1}{7} + \frac{1}{14} = \frac{8}{14} + \frac{2}{14} + \frac{1}{14} = \frac{11}{14}$$



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Adding Mixed Numbers

$$1) \quad 1\frac{9}{21} + 8\frac{6}{7} = \quad 1\frac{9}{21} + 8\frac{18}{21} = \quad 9\frac{27}{21} = \quad 10\frac{2}{7}$$

$$2) \quad 5\frac{8}{14} + 5\frac{5}{7} = \quad 5\frac{8}{14} + 5\frac{10}{14} = \quad 10\frac{18}{14} = \quad 11\frac{2}{7}$$

$$3) \quad 5\frac{1}{11} + 9\frac{6}{22} = \quad 5\frac{2}{22} + 9\frac{6}{22} = \quad 14\frac{8}{22} = \quad 14\frac{4}{11}$$

$$4) \quad 1\frac{6}{9} + 8\frac{3}{6} = \quad 1\frac{12}{18} + 8\frac{9}{18} = \quad 9\frac{21}{18} = \quad 10\frac{1}{6}$$

$$5) \quad 4\frac{3}{9} + 5\frac{2}{18} = \quad 4\frac{6}{18} + 5\frac{2}{18} = \quad 9\frac{8}{18} = \quad 9\frac{4}{9}$$

$$6) \quad 3\frac{12}{20} + 9\frac{3}{4} = \quad 3\frac{12}{20} + 9\frac{15}{20} = \quad 12\frac{27}{20} = \quad 13\frac{7}{20}$$

$$7) \quad 6\frac{7}{12} + 8\frac{2}{3} = \quad 6\frac{7}{12} + 8\frac{8}{12} = \quad 14\frac{15}{12} = \quad 15\frac{1}{4}$$

$$8) \quad 1\frac{1}{6} + 6\frac{7}{18} = \quad 1\frac{3}{18} + 6\frac{7}{18} = \quad 7\frac{10}{18} = \quad 7\frac{5}{9}$$

$$9) \quad 3\frac{1}{7} + 4\frac{7}{21} = \quad 3\frac{3}{21} + 4\frac{7}{21} = \quad 7\frac{10}{21}$$

$$10) \quad 4\frac{3}{8} + 5\frac{3}{4} = \quad 4\frac{3}{8} + 5\frac{6}{8} = \quad 9\frac{9}{8} = \quad 10\frac{1}{8}$$



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Subtracting Fractions

$$1) \quad \frac{3}{5} - \frac{8}{20} = \frac{12}{20} - \frac{8}{20} = \frac{4}{20} = \frac{1}{5}$$

$$2) \quad \frac{10}{12} - \frac{2}{4} = \frac{10}{12} - \frac{6}{12} = \frac{4}{12} = \frac{1}{3}$$

$$3) \quad \frac{1}{3} - \frac{1}{9} = \frac{3}{9} - \frac{1}{9} = \frac{2}{9}$$

$$4) \quad \frac{3}{4} - \frac{5}{20} = \frac{15}{20} - \frac{5}{20} = \frac{10}{20} = \frac{1}{2}$$

$$5) \quad \frac{9}{12} - \frac{5}{24} = \frac{18}{24} - \frac{5}{24} = \frac{13}{24}$$

$$6) \quad \frac{5}{7} - \frac{3}{14} = \frac{10}{14} - \frac{3}{14} = \frac{7}{14} = \frac{1}{2}$$

$$7) \quad \frac{5}{7} - \frac{10}{14} = \frac{10}{14} - \frac{10}{14} = 0$$

$$8) \quad \frac{5}{9} - \frac{2}{27} = \frac{15}{27} - \frac{2}{27} = \frac{13}{27}$$

$$9) \quad \frac{2}{4} - \frac{4}{24} = \frac{12}{24} - \frac{4}{24} = \frac{8}{24} = \frac{1}{3}$$

$$10) \quad \frac{2}{3} - \frac{6}{9} = \frac{6}{9} - \frac{6}{9} = 0$$



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Subtracting Mixed Numbers

$$1) \quad 8\frac{5}{6} - 2\frac{3}{9} = \quad 8\frac{15}{18} - 2\frac{6}{18} = \quad 6\frac{9}{18} = \quad 6\frac{1}{2}$$

$$2) \quad 8\frac{3}{4} - 1\frac{2}{20} = \quad 8\frac{15}{20} - 1\frac{2}{20} = \quad 7\frac{13}{20}$$

$$3) \quad 9\frac{3}{4} - 3\frac{4}{7} = \quad 9\frac{21}{28} - 3\frac{16}{28} = \quad 6\frac{5}{28}$$

$$4) \quad 6\frac{1}{3} - 1\frac{2}{9} = \quad 6\frac{3}{9} - 1\frac{2}{9} = \quad 5\frac{1}{9}$$

$$5) \quad 8\frac{3}{4} - 3\frac{2}{6} = \quad 8\frac{9}{12} - 3\frac{4}{12} = \quad 5\frac{5}{12}$$

$$6) \quad 9\frac{4}{7} - 4\frac{9}{21} = \quad 9\frac{12}{21} - 4\frac{9}{21} = \quad 5\frac{3}{21} = \quad 5\frac{1}{7}$$

$$7) \quad 9\frac{3}{4} - 1\frac{3}{12} = \quad 9\frac{9}{12} - 1\frac{3}{12} = \quad 8\frac{6}{12} = \quad 8\frac{1}{2}$$

$$8) \quad 9\frac{11}{27} - 2\frac{2}{9} = \quad 9\frac{11}{27} - 2\frac{6}{27} = \quad 7\frac{5}{27}$$

$$9) \quad 9\frac{4}{11} - 3\frac{4}{22} = \quad 9\frac{8}{22} - 3\frac{4}{22} = \quad 6\frac{4}{22} = \quad 6\frac{2}{11}$$

$$10) \quad 9\frac{6}{7} - 3\frac{1}{4} = \quad 9\frac{24}{28} - 3\frac{7}{28} = \quad 6\frac{17}{28}$$

