

Do the tops
SAME BOTTOMS

Adding and Subtracting Fractions

Name _____

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Find each sum.

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

$$2) \frac{4 \cdot 1}{4 \cdot 5} + \frac{1 \cdot 5}{4 \cdot 5} = \frac{4}{20} + \frac{5}{20} = \boxed{\frac{9}{20}}$$

$$3) \frac{2 \cdot 1}{2 \cdot 4} + \frac{7}{4} = \frac{2}{4} + \frac{7}{4} = \frac{9}{4} = \boxed{2\frac{1}{4}}$$

$$4) \frac{3 \cdot 9}{3 \cdot 5} + \frac{1 \cdot 5}{3 \cdot 5} = \frac{27}{15} + \frac{5}{15} = \frac{32}{15} = \boxed{2\frac{2}{15}}$$

$$5) \frac{5}{6} + \frac{1 \cdot 3}{2 \cdot 3} = \frac{5}{6} + \frac{3}{6} = \frac{8}{6} = \frac{4}{3} = \boxed{1\frac{1}{3}}$$

$$6) \frac{6}{5} + \frac{9}{5} = \frac{15}{5} = \boxed{3}$$

$$7) \frac{1}{3} + \frac{5}{3} = \frac{6}{3} = \boxed{2}$$

$$8) \frac{6 \cdot 9}{6 \cdot 7} + \frac{11 \cdot 7}{6 \cdot 7} = \frac{54}{42} + \frac{77}{42} = \frac{131}{42} = \boxed{3\frac{5}{42}}$$

Find each difference.

$$9) \frac{7 \cdot 3}{5 \cdot 3} - \frac{1 \cdot 3}{3 \cdot 3} = \frac{21}{15} - \frac{3}{15} = \frac{16}{15} = \boxed{1\frac{1}{15}}$$

$$10) \frac{5 \cdot 5}{3 \cdot 5} - \frac{6 \cdot 3}{5 \cdot 3} = \frac{25}{15} - \frac{18}{15} = \boxed{\frac{7}{15}}$$

$$11) \frac{2 \cdot 3}{2 \cdot 4} - \frac{3}{4} = \frac{6}{4} - \frac{3}{4} = \boxed{\frac{3}{4}}$$

$$12) \frac{4}{3} - \frac{2}{3} = \boxed{\frac{2}{3}}$$

$$13) \frac{4}{3} - \frac{3}{4} = \frac{16}{12} - \frac{9}{12} = \frac{7}{12}$$

$$14) \frac{5}{3} - \frac{9}{7} = \frac{35}{21} - \frac{27}{21} = \frac{8}{21}$$

$$15) \frac{6}{5} - \frac{1}{3} = \frac{18}{15} - \frac{5}{15} = \frac{13}{15}$$

$$16) \frac{15}{8} - \frac{7}{5} = \frac{75}{40} - \frac{56}{40} = \frac{19}{40}$$

Find each sum.

$$17) \frac{7}{4} + 4\frac{2}{7} = \frac{7}{4} + \frac{30}{7} = \frac{49}{28} + \frac{120}{28} = \frac{169}{28}$$

$6\frac{1}{28}$

$$18) \frac{3}{7} + 3\frac{5}{6} = \frac{3}{7} + \frac{23}{6} = \frac{18}{42} + \frac{161}{42} = \frac{179}{42}$$

$4\frac{11}{42}$

$$19) 3\frac{1}{2} + \frac{5}{6} = \frac{7}{2} + \frac{5}{6} = \frac{21}{6} + \frac{5}{6} = \frac{26}{6} = 4\frac{2}{6} = 4\frac{1}{3}$$

$$20) 2 + 2\frac{3}{8} = \frac{8}{4} + \frac{19}{8} = \frac{16}{8} + \frac{19}{8} = \frac{35}{8} = 4\frac{3}{8}$$

Find each difference.

$$21) 1\frac{1}{6} - \frac{5}{8} = \frac{8}{6} - \frac{5}{8} = \frac{56}{48} - \frac{30}{48} = \frac{26}{48} = \frac{13}{24}$$

$$22) 2 - \frac{1}{5} = \frac{10}{5} - \frac{1}{5} = \frac{9}{5}$$

$$23) 1\frac{2}{3} - \frac{3}{4}$$

$$4 \times \frac{5}{3} - \frac{3 \times 3}{4 \times 3}$$

$$\frac{20}{12} - \frac{9}{12}$$

$$\boxed{\frac{11}{12}}$$

$$24) 4\frac{1}{6} - \frac{9}{5}$$

$$5 \cdot \frac{25}{6} - \frac{9 \cdot 6}{5 \cdot 6}$$

$$\frac{100}{30} - \frac{54}{30}$$

$$\frac{46}{30} = 1\frac{16}{30} = \boxed{1\frac{8}{15}}$$

Evaluate each expression.

$$25) \frac{1}{6} + \frac{3}{2} + 1\frac{1}{3}$$

$$\frac{1}{6} + \frac{9}{6} + \left(\frac{4}{3}\right) \cdot 2$$

$$\frac{1}{6} + \frac{9}{6} + \frac{8}{6}$$

$$\frac{18}{6} = \boxed{3}$$

$$26) 4\frac{5}{6} - 3\frac{5}{6} + 5$$

$$\frac{29}{6} - \frac{23}{6} + \frac{5 \cdot 6}{1 \cdot 6}$$

$$\frac{29}{6} - \frac{23}{6} + \frac{30}{6}$$

$$\frac{36}{6} = \boxed{6}$$

$$27) 2\frac{1}{6} - 1\frac{5}{6} + \frac{5}{8}$$

$$\frac{13 \cdot 8}{6 \cdot 8} - \frac{11 \cdot 8}{6 \cdot 8} + \frac{5 \cdot 6}{8 \cdot 6}$$

$$\frac{104}{48} - \frac{88}{48} + \frac{30}{48}$$

$$\frac{46}{48} = \boxed{\frac{23}{24}}$$

$$28) 5 - 4\frac{1}{2} + \frac{7}{5}$$

$$10 \cdot 5 - \frac{9 \cdot 5}{2 \cdot 5} + \frac{7 \cdot 2}{5 \cdot 2}$$

$$\frac{50}{10} - \frac{45}{10} + \frac{14}{10}$$

$$\frac{19}{10} = \boxed{1\frac{9}{10}}$$

