Answer key

The method: Subtracting with borrowing

If the top fraction is smaller, borrow 1 from the whole number: 4 1/3 = 3 4/3.

$$6\frac{3}{10} - 3\frac{1}{2} = 2\frac{4}{5}$$

$$6\frac{3}{10} = 5\frac{13}{10}$$ borrow 1 whole and rewrite with denominator 10

$$5\frac{13}{10} - 3\frac{5}{10} = 2 + \frac{8}{10} = 2\frac{4}{5}$$

$$8 - 7\frac{9}{10} = \frac{1}{10}$$

$$8 = 7\frac{10}{10}$$ borrow 1 whole

$$7\frac{10}{10} - 7\frac{9}{10} = 0 + \frac{1}{10} = \frac{1}{10}$$

Problems 1 and 2 worked out · Version 0A

$$3 - 1\frac{7}{11} = 1\frac{4}{11}$$

$$3 = 2\frac{11}{11}$$ borrow 1 whole

$$2\frac{11}{11} - 1\frac{7}{11} = 1 + \frac{4}{11} = 1\frac{4}{11}$$

$$4\frac{1}{3} - 2\frac{7}{9} = 1\frac{5}{9}$$

$$4\frac{1}{3} = 3\frac{12}{9}$$ borrow 1 whole and rewrite with denominator 9

$$3\frac{12}{9} - 2\frac{7}{9} = 1 + \frac{5}{9} = 1\frac{5}{9}$$

Subtracting with borrowing · Version 0A

1) $1\frac{4}{11}$ 2) $1\frac{5}{9}$ 3) $1\frac{1}{5}$ 4) $2\frac{1}{3}$ 5) $\frac{1}{11}$ 6) $\frac{1}{9}$ 7) $4\frac{37}{42}$
8) $3\frac{1}{9}$ 9) $5\frac{7}{24}$ 10) $1\frac{21}{22}$ 11) $5\frac{17}{20}$ 12) $1\frac{3}{11}$ 13) $\frac{1}{5}$
14) $5\frac{17}{24}$ 15) $\frac{29}{30}$ 16) $\frac{5}{6}$ 17) $2\frac{11}{12}$ 18) $\frac{19}{24}$ 19) $3\frac{59}{70}$
20) $\frac{3}{8}$ 21) $1\frac{29}{40}$ 22) $1\frac{1}{6}$ 23) $1\frac{3}{4}$ 24) $1\frac{2}{9}$ 25) $4\frac{2}{7}$
26) $3\frac{6}{7}$ 27) $2\frac{23}{24}$ 28) $1\frac{31}{60}$ 29) $\frac{5}{6}$ 30) $1\frac{4}{11}$
31) $4\frac{3}{8}$ 32) $3\frac{1}{10}$ 33) $1\frac{31}{35}$ 34) $\frac{19}{22}$ 35) $5\frac{87}{110}$

Answer key

36) $\frac{59}{60}$