

Adding/subtracting mixed number fractions

- 1) (a) $1\frac{1}{2} + 1\frac{1}{3}$ (b) $1\frac{3}{4} + 2\frac{1}{2}$ (c) $4\frac{2}{5} + 3\frac{1}{2}$
(d) $1\frac{4}{7} + 1\frac{3}{8}$ (e) $1\frac{1}{2} - \frac{2}{3}$ (f) $3\frac{1}{4} - 1\frac{3}{5}$
(g) $2\frac{1}{2} - 1\frac{5}{8}$ (h) $4\frac{1}{7} + 3\frac{2}{3}$ (i) $4\frac{3}{5} - 2\frac{7}{8}$

2) Ron wins $\pounds 1\frac{1}{4}$ million. He gives $\pounds \frac{3}{5}$ million to his daughter and $\pounds \frac{1}{3}$ million to his wife. How much does he have left?

3) An old-fashioned gardener measures the height of a plant as $6\frac{3}{8}$ inches. A week later the height is measured as $8\frac{3}{5}$ inches. How much did the plant grow during the week?

4) Given that $\frac{1}{2} + \frac{1}{3} + \frac{1}{12} + \frac{1}{18} + \frac{1}{x} = 1$, find the value of x

5) Write $\frac{10}{9} + \frac{9}{10}$ as a decimal

6) What is the sum of all the fractions in the form $\frac{N}{7}$, where N is a positive integer less than 7.

7) Which different integers can you make by replacing a, b, c, d, e, f in:

$$a\frac{b}{c} + d\frac{e}{f}$$

with 1, 2, 3, 4, 5, 6?

8) Can you replace $a, b, c, d, e, f, g, h, i$ with the numbers 1, 2, 3, 4, 5, 6, 7, 8, 9 in:

$$a\frac{b}{c} + d\frac{e}{f} = g\frac{h}{i}$$

Answers 1a) $2\frac{5}{6}$ b) $4\frac{1}{4}$ c) $7\frac{9}{10}$ d) $2\frac{53}{56}$ e) $\frac{5}{6}$ f) $1\frac{13}{20}$ g) $\frac{7}{8}$ h) $7\frac{17}{21}$ i) $1\frac{29}{40}$

2) $\pounds \frac{19}{60}$ million 3) $2\frac{9}{40}$ 4) 36 5) 2.0 $\dot{1}$ 6) 3 7) 8) check with me

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