

INSIDE-OUT MATH

Use the clues to find the missing values.

Problem 1

a $\frac{2}{3}$	a+c $1\frac{5}{12}$	a+d
b	b+c $1\frac{1}{6}$	b+d $\frac{7}{12}$
	c	d

Problem 2

a	a+c	a+d $4\frac{1}{2}$
b $1\frac{9}{10}$	b+c $3\frac{1}{2}$	b+d $2\frac{3}{5}$
	c	d

Problem 3

a	a+c $\frac{7}{12}$	a+d $1\frac{1}{8}$
b	b+c	b+d $1\frac{7}{12}$
	c $\frac{3}{8}$	d

Problem 4

a	a-c	a-d $2\frac{1}{2}$
b	b-c $2\frac{1}{3}$	b-d $3\frac{1}{4}$
	c	d $\frac{5}{6}$

Problem 5

a $6\frac{1}{7}$	a-c $\frac{9}{14}$	a-d $4\frac{25}{28}$
b	b-c $2\frac{11}{18}$	b-d
	c	d

Problem 6

a $3\frac{2}{5}$	a-c $1\frac{21}{40}$	a-d
b	b-c $2\frac{43}{88}$	b-d $1\frac{51}{110}$
	c	d

Answers

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Problem 1: $b = \frac{5}{12}$
 $c = \frac{3}{4}$
 $d = \frac{1}{6}$
 $a + d = \frac{5}{6}$

Problem 2: $a = 3\frac{4}{5}$
 $c = 1\frac{3}{5}$
 $d = \frac{7}{10}$
 $a + c = 5\frac{2}{5}$

Problem 3: $a = \frac{5}{24}$
 $b = \frac{2}{3}$
 $d = \frac{11}{12}$
 $b + c = 1\frac{1}{24}$

Problem 4: $a = 3\frac{1}{3}$
 $b = 4\frac{1}{12}$
 $c = 1\frac{3}{4}$
 $a - c = 1\frac{7}{12}$

Problem 5: $b = 8\frac{1}{9}$
 $c = 5\frac{1}{2}$
 $d = 1\frac{1}{4}$
 $b - d = 6\frac{31}{36}$

Problem 6: $b = 4\frac{4}{11}$
 $c = 1\frac{7}{8}$
 $d = 2\frac{9}{10}$
 $a - d = \frac{1}{2}$