Name _____ Master 3-1

Addition and Subtraction: Q

EXAMPLE 1

Calculate.

$$\frac{3}{4} + \left(\frac{-2}{5}\right) - \frac{1}{3}$$
$$= \frac{45}{60} + \frac{-24}{60} - \frac{20}{60}$$
$$= \frac{21}{60} - \frac{20}{60}$$
$$= \frac{1}{60}$$

EXAMPLE 2

Calculate.

$$2\frac{5}{8} + 3\frac{1}{4} - \left(-1\frac{1}{2}\right)$$
$$= \frac{21}{8} + \frac{13}{4} - \left(-\frac{3}{2}\right)$$
$$= \frac{21}{8} + \frac{26}{8} - \left(-\frac{12}{8}\right)$$
$$= \frac{47}{8} + \frac{12}{8}$$
$$= \frac{59}{8}$$
$$= 7\frac{3}{8}$$

1. Calculate.

a. $\frac{2}{5} + \left(\frac{-1}{3}\right) + \left(\frac{-3}{4}\right)$

b. $\left(\frac{-5}{8}\right) - \left(\frac{-3}{5}\right) + \frac{2}{3}$

c. $\frac{5}{9} - \left(\frac{-2}{3}\right) + \left(\frac{-5}{6}\right)$

d. $\frac{1}{7} - \left(\frac{-3}{14}\right) - \left(\frac{-10}{21}\right)$

e. $\frac{2}{5} - \left(\frac{-3}{4}\right) + \frac{5}{8}$

f. $\frac{-1}{3} - \frac{5}{9} + \left(\frac{-2}{11}\right)$

2. Calculate.

a. $2\frac{3}{4} - \left(-5\frac{1}{2}\right) + 3\frac{1}{3}$

b. $3\frac{3}{5} - \left(-4\frac{1}{4}\right) + \left(-2\frac{1}{2}\right)$

c. $-4\frac{1}{7} + \left(-3\frac{2}{5}\right) - \left(-8\frac{1}{2}\right)$

d. $-3\frac{2}{3} + 7 - 8\frac{1}{2} + \left(-5\frac{1}{4}\right)$

e. $-4\frac{1}{8} - \left(-3\frac{5}{8}\right) + 6 - 15\frac{2}{5}$

f. $5\frac{2}{5} - \left(-4\frac{3}{8}\right) + 1 + \left(-3\frac{3}{4}\right)$

3. In a magic square the sums of all the rows, columns, and diagonals are the same. Complete these magic squares.

a.

	$-5\frac{3}{4}$	$1\frac{3}{4}$
	$\frac{1}{4}$	
$-1\frac{1}{4}$		

b.

$-3\frac{3}{5}$	$-7\frac{1}{10}$	$4\frac{2}{5}$		$-2\frac{3}{5}$
	$2\frac{2}{5}$		$-2\frac{1}{10}$	
$2\frac{9}{10}$		$-1\frac{3}{5}$	$-5\frac{1}{10}$	$-6\frac{1}{10}$
$-\frac{1}{10}$		$-4\frac{3}{5}$	$-5\frac{3}{5}$	
$-\frac{3}{5}$		$-7\frac{3}{5}$		$\frac{2}{5}$