

Name:

Date:

# Mental Math

1. Continue the sequences for 5 more numbers.

a. 1, 10, 100,

d. 1200, 1098, 996,

b. 50, 85, 120, 155,

e. 13,122; 4,374; 1,458; 486;

c. 1, 2, 4, 8,

f. 47, 35, 46, 34, 45,

2. Solve using mental math.

a. $2 \times 19 + 410 =$ $3 \times 50 + 4 \times 150 =$ $90 \times 8 + 10 \times 20$	b. $14 + 30 + 540 =$ $45 + 56 + 35 =$ $17 + \underline{\quad} = 110$	c. $345 + \underline{\quad} = 1,002$ $3 \times 40 + \underline{\quad} = 500$ $2 \times 14,000 + \underline{\quad} = 50,000$
d. $500 - 40 - 3 \times 50 =$ $1,020 - 40 \times 20 =$ $42,000 - 12,000 + 3 \times 5,000 =$	e. $\underline{\quad} - 1,400 = 6,200$ $2,200 \div 100 =$ $250 \div 5 + 150 \div 5 =$	

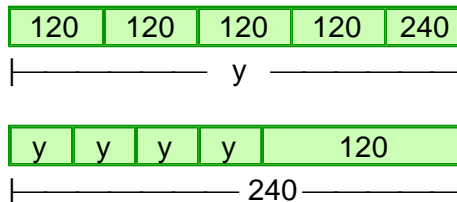
3. Match the expressions with the diagrams. Solve.

$240 - 4y = 120$

$4 \times 120 + 240 = y$

$4y + 120 = 240$

$y - 4 \times 120 = 240$



4. Solve mentally.

a.  $x \div 70 = 40$

b.  $20 \times M = 1200$

c.  $500 - y = 320$

d.  $180 + x = 920$

5. Division can be written this way, too.

a.  $\frac{240}{4} =$

b.  $\frac{72}{9} =$

c.  $\frac{5,600}{10} =$

d.  $\frac{420}{20} =$

e.  $\frac{420}{70} =$

$\frac{7,200}{100} =$

$\frac{450}{9} =$

$\frac{8,000}{200} =$

$\frac{10,000}{50} =$

$\frac{7,200}{800} =$

6. Find the rule that is used in the table and fill it.

$n$	130	250	360	410	775	820	1,000
$n -$		215		375			