

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;

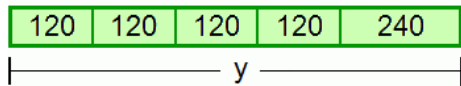
c. 1, 2, 4, 8,

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

2. Solve using mental math.

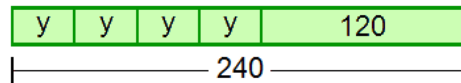
a. $2 \times 19 + 410 = \underline{\hspace{2cm}}$ $3 \times 50 + 4 \times 150 = \underline{\hspace{2cm}}$ $90 \times 8 + 10 \times 20 = \underline{\hspace{2cm}}$	b. $14 + 30 + 540 = \underline{\hspace{2cm}}$ $45 + 56 + 35 = \underline{\hspace{2cm}}$ $17 + \underline{\hspace{1cm}} = 110$	c. $345 + \underline{\hspace{2cm}}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

3. Match two equations with each diagram. Then find the value of y.



$240 - 4y = 120$

$4 \times 120 + 240 = y$



$4y + 120 = 240$

$y - 4 \times 120 = 240$

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

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

$\frac{450}{9} =$

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

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

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

n	130	250	360	410	775	820	1,000
$n - \underline{\hspace{1cm}}$		215		375			