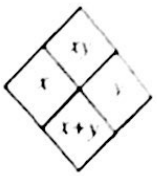
Review Preview
Math Reasoning

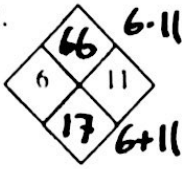
Name: Key

Period: _____

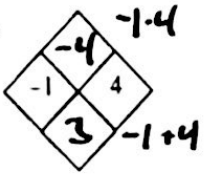
1-21. Copy these Diamond Problems and use the pattern you discovered earlier, shown at right, to complete each of them. Some of these may be challenging!



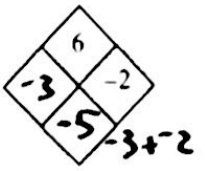
a.



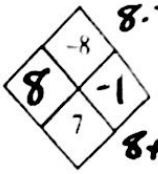
b.



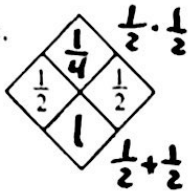
c.



d.

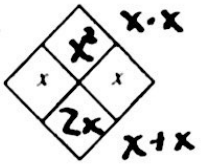


e.

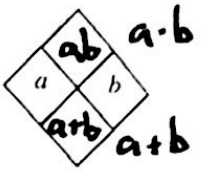


f.

g.



h.



$\frac{1}{3}+\frac{3}{4}=\frac{4}{4}\cdot\frac{1}{3}+\frac{3}{4}\cdot\frac{3}{3}=\frac{4}{12}+\frac{9}{12}$

1-22. Compute without a calculator.

a. $-15+7$ [-8]

b. $8-(-21)$ 8+21 [29]

c. $-12-(-4)$ -12+4 [-8]

d. $-9+(-13)$ [-22]

e. $-50-30$ -50+-30 [-80]

f. $3-(-9)$ 3+9 [12]

g. $-75-(-75)$ -75+75 [0]

h. $(-3)+6$ [3]

i. $9+(-14)$ 9-14 [-5]

j. $28-(-2)$ 28+2 [30]

k. $-3+(-2)+5$ -5 +5 [0]

l. $3+2+5$ 5+5 [10]