Solve Equations

E1 $12 / x = 2$

E2 $2 / x = 12$

(You multiply both sides pf the equation by x, and you then get equation $2 = 12*x$. Then you divide both sides by 12 and get $x = 1/6$

E3 $2 / (x + 2) = 12$

E4 $372 / x = 12$

E5 $372 / (x + 2) = 12$

E6 $25*x - 1/5 = 15*x + 9/5$

W1 Rectangle's length increased by 17, and its width decreased by 7. Describe how did the perimeter change?

W2 Emir went to the park. If the area of the park is 1,600 square yards, and the park is in the shape of a square, what is the length and width of the park?

W3 Emir went to the park. If the area of the park is 1600 square yards, the park is in the shape of a rectangle, and one side is 100 yards, then what is the length the adjacent side?

W4 During summer holidays Bob Widecheer earned extra money moving lawns. He moves 12 lawns an hour and has 42 lawns to move. How many minutes will it take him?

W5 Paul drove 12 miles for 4 hours. His dog covered the 15 miles distance for 3 hours. Who can cover more in one hour and by how much?

G2*   How many two-digit numbers have both digits odd?

G2*   How many two-digits numbers have both digits even?

Repeat commutative, associative and distributive properties.
Commutative: a + b = b + a;   a*b = b*a;
(Associative: (a*b)*c = a*(b*c) and (a + b) + c = a +
(b + c)
Distributive: a*(b + c) = a*b + a*c   )

Using all three properties find the simplest way to compute:
C1   48 * 25 + 48*75 =   (48*(25 + 75) = 48*100 = 4,800)

C2   97*28 + 97*72 =

C3   16 * 200 + 84 * 200 =

C4   44 * 30 + 44 * 70 =