Algebra 1

Preparing to Factor: Product & Sum Puzzles

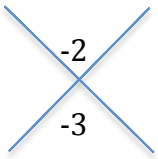
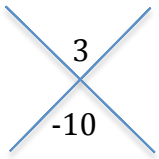
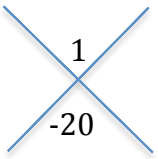
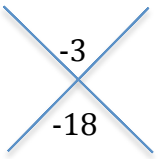
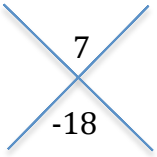
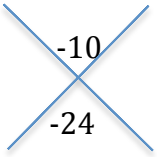
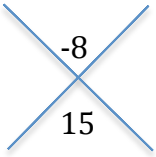
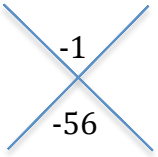
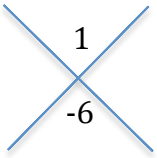
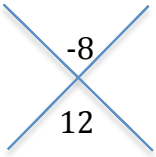
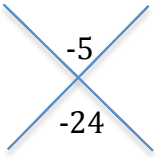
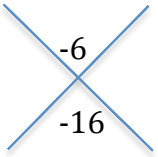
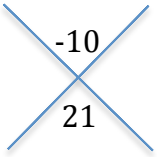
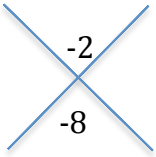
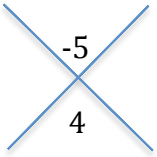
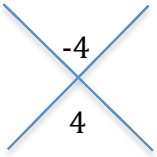
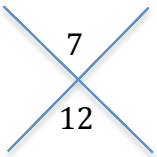
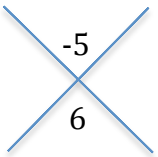
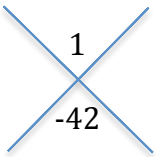
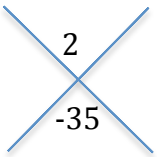
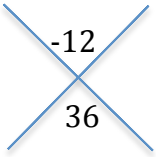
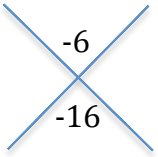
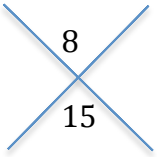
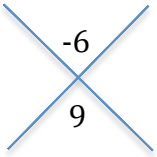
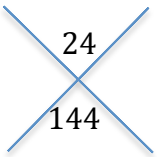
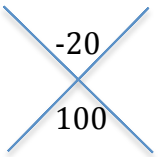
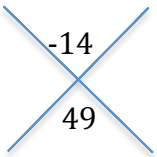
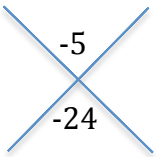
Secondary Math Solutions

Algebra 1
Product & Sum Puzzles

Name_____

Complete each puzzle such that the sum of the two side numbers equals the top number and the product of the two side numbers equals the bottom number.

1) Example: 8 3 5 15	2) 4 3	3) -7 2	4) -2 -3
5) -3 - 6	6) 8 -3	7) -4 -2	8) -2 7
9) 12 3	10) 3 12	11) -8 -2	12) 4 -20
13) 6 -18	14) -10 -3	15) -8 -5	16) -7 -56
17) 5 6	18) 7 12	19) 10 25	20) -8 16
21) -9 14	22) -14 48	23) -6 9	24) -8 15

25) 	26) 	27) 	28) 
29) 	30) 	31) 	32) 
33) 	34) 	35) 	36) 
37) 	38) 	39) 	40) 
41) 	42) 	43) 	44) 
45) 	46) 	47) 	48) 
49) 	50) 	51) 	52) 

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Complete each puzzle such that the sum of the two side numbers equals the top number and the product of the two side numbers equals the bottom number.

1) Example: 8 3 5 15	2) 7 4 3 12	3) -5 -7 2 -14	4) -5 -2 -3 6
5) -9 -3 - 6 18	6) 5 8 -3 -24	7) -6 -4 -2 8	8) 5 -2 7 -14
9) 12 3 9 27	10) 7 3 4 12	11) -8 -2 -6 12	12) -1 4 -5 -20
13) 3 6 -3 -18	14) -10 -3 -7 21	15) -8 -3 -5 15	16) 1 -7 8 -56
17) 5 2 3 6	18) 7 3 4 12	19) 10 5 5 25	20) -8 -4 -4 16
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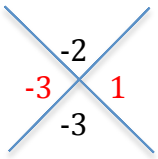
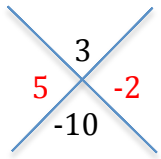
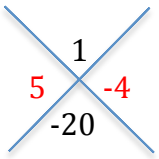
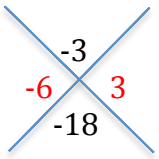
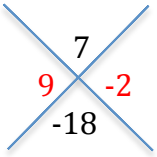
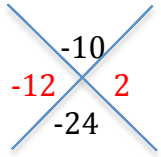
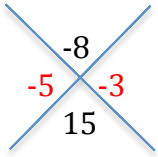
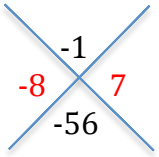
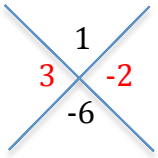
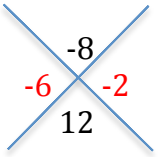
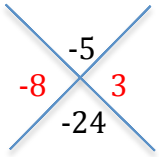
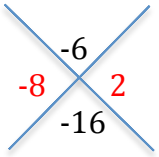
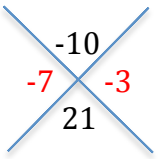
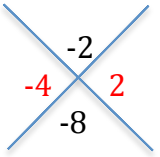
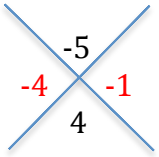
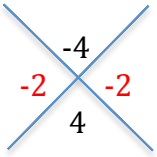
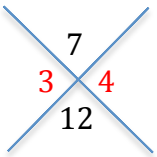
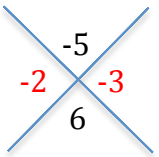
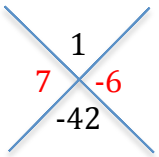
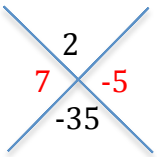
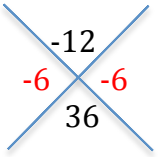
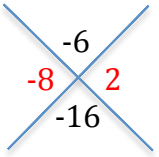
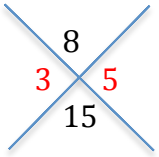
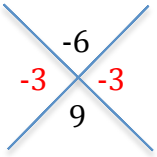
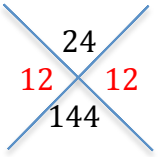
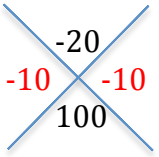
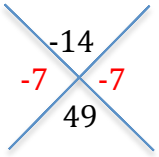
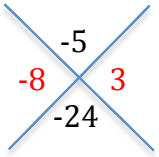
25) 	26) 	27) 	28) 
29) 	30) 	31) 	32) 
33) 	34) 	35) 	36) 
37) 	38) 	39) 	40) 
41) 	42) 	43) 	44) 
45) 	46) 	47) 	48) 
49) 	50) 	51) 	52) 

The only way to learn mathematics is to do mathematics.

-- Paul Halmos

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