Name_____

Evaluating #1

Rewrite and
Evaluate for x = 5 and y = -2.

1. $x + 5 =$ _____
2. $x - y =$ _____
3. $y - x =$ _____
4. $2x + y =$ _____
5. $y - 3x =$ _____
6. $3(x + y) =$ _____
7. $\frac{x + 1}{y} =$ _____
8. $\frac{2y + 2x}{y} =$ _____
9. $x^2 =$ _____
10. $x^2 + y^2 =$ _____

Rewrite and
Evaluate for n = -8 and m = 4.

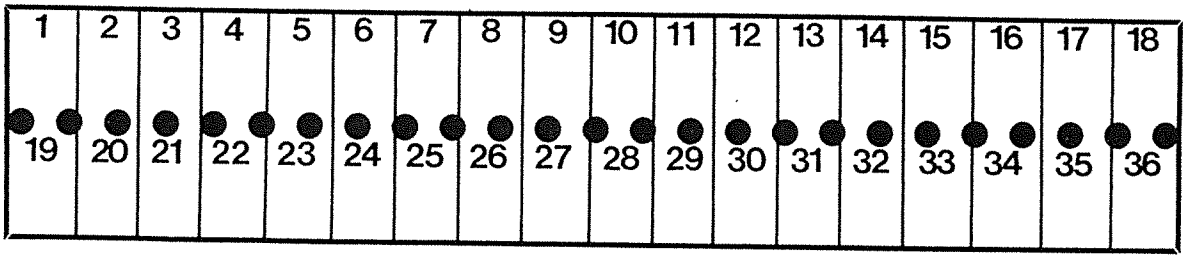
11. $mn =$ _____
12. $m - n$ _____
13. $2(2m - n) =$ _____
14. $5m =$ _____

Why did the ant run across the cracker box?

Do any exercise below and find your answer in the corresponding answer column. The letter of the exercise goes in the box that contains the number of the answer. Keep working and you will discover the answer to the title question.

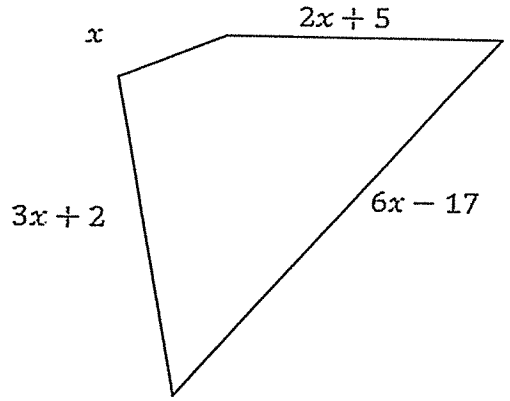
T	$-15 + 7 =$	(23)	7	T	$(-15 \div 3) + 14 =$	(2)	-1
A	$8 - -21 =$	(32)	-27	E	$(-10 + -5)(-2) =$	(4)	3
D	$(3)(-9) =$	(28)	50	H	$(-3 - 4) \div 7 =$	(10)	-55
H	$-24 \div 4 =$	(13)	-8	D	$(-9 \cdot 6) + -4 =$	(7)	30
E	$-9 + -13 =$	(25)	-6	O	$(-30 - -22) \cdot 6 =$	(12)	-58
O	$(-2)(-25) =$	(36)	-5	A	$(20 \div 4) \cdot -11 =$	(34)	100
L	$-50 - 30 =$	(5)	29	E	$(28 - -10) - 7 =$	(30)	9
G	$-56 \div -8 =$	(8)	-80	I	$(-13 + -12)(-4) =$	(31)	31
E	$32 + -37 =$	(3)	-22	L	$(4 \cdot -6) \div -8 =$	(21)	-48

I	$-5 \cdot 20 =$	(9)	12	E	$(-6 + 17) - 20 =$	(18)	14
T	$30 \div -2 =$	(11)	-100	A	$(-64 \div 2) \div -2 =$	(20)	2
A	$-9 - -19 =$	(22)	77	B	$(-5 - -6) \cdot -87 =$	(16)	-9
N	$-7 \cdot -11 =$	(26)	-14	T	$(-40 + -50) \div 9 =$	(35)	-12
O	$-7 + -11 =$	(24)	-15	R	$(-13 \cdot -2) + -12 =$	(6)	-87
S	$-60 \div -5 =$	(1)	-24	N	$(42 \div -7) - 6 =$	(27)	75
T	$12 - 36 =$	(33)	-26	D	$(-5 - -30)(3) =$	(15)	72
E	$-17 - -3 =$	(14)	-18	L	$(-12 + -18) \div -15 =$	(29)	-10
L	$\frac{260}{-10} =$	(17)	10	T	$(-8 \cdot -8) - -8 =$	(19)	16

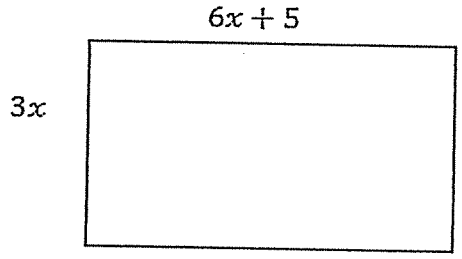


"Combining Like Terms – More Complicated Part 2"

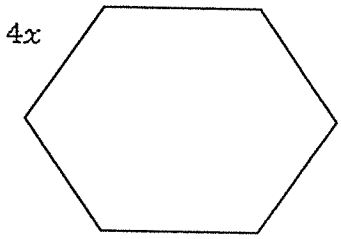
21. Write an expression for the perimeter of the figure below.



22. Write an expression for the perimeter of the rectangle below.



23. Write an expression for the perimeter of the regular hexagon below.



24. Write the expression for the perimeter of a rectangle with a length that is 5 inches longer than its width.

25. Write the expression for the perimeter of a rectangle with a length that is 4 centimeters longer than three times its width.