

INTEGER OPERATIONS COLOR-BY-NUMBER

reveal a hidden message by
EVALUATING INTEGER EXPRESSIONS

ANS			PINK	RED	GRAY															
-3	-40x	-2x	gray	2-2=0	8-(-9)=17	11+11=22	25+(-5)=-20	21+21=42	20+(-5)=-15	-22-22=-44										
15	4x	10x	-8(5x) = -40x	-12+(-6)=-18	-12+(4)=-8	3*3*3=27	-18-23=-41	-84+2=-82	48+8=56	-7(4+1)=-35										
-16	-5x	16x	12x - 8x = 4x	-7-4=-11	-4-7=-11	-30+6=-24	-11-(-39)=28	-5(8)=-40	-3(11)=-33	40-4=36										
-64	2	-4	25x ÷ -5 = -5x	9-9=0	-9-8=-17	5(-3)=-15	-3+50=47	-31-16=-47	-23-23=-46	15(3)=45										
60	-40	-50	5x + 5x = 10x	6(4)=24	-1(25)=-25	5*5=25	50+(-7)=43	-2(11)=-22	22(2)=44	-4(4)=-16										
-4x	-20	6x	-2x(-8) = 16x	-40+6=-34	-22-1=-23	16+4=20	-50+1=-49	11-50=-39	2(3)(3)=18	70+2=72										
9x	-56	-x	-7x + 3x = -4x	-6-6=-12	5-34=-29	-33+3=-30	2-50=-48	-60+3=-57	-5+24=19	-20+(-2)=-22										
36	20	-31	1/2(18x) = 9x	-11(-2)=22	-15-15=-30	-7+40=33	-4+(-4)=-8	-6+40=34	4-22=-18	-2+14=12										
9	20x	45	12x ÷ 2 = 6x	20+(-5)=15	-4(8)=32	8-9=-1	-6-(-52)=46	-90+9=-81	-42+2=-21	12-(-18)=30										
-22	-7x	27	-12x ÷ 12 = -x	30-1=29	-50-(-19)=-31	9+(-3)=6	-21-22=-43	-20+1=-19	-3+(-9)=-12	15+26=41										
24	-8	33	4x(5) = 20x	15-(-8)=23	26+2=28		7-20=-13	-16-16=-32	16+(-2)=14	49+7=56										
-14x	0	36x	35x ÷ -5 = -7x	-4(5)=-20			3(13)=39	-5(9)=-45	3-30=-27	-3(-7)=21										
4	-24	-19	10x - 24x = -14x	8-(-6)=14			-8(-5)=40	-14+2=-12	35+13=48	12-50=-38										
-75	x	11x	3(12x) = 36x	8+8=16			5-(-32)=37	-4*9=-36												
-94	-13	5	-10x ÷ -10 = x	14-40=-24																
-9	-11x	12x	44x ÷ 4 = 11x	-4-10=-6																
25	6	-15	-12x + x = -11x																	
			-30x + 42x = 12x																	

red	green
-4(-7) = 28	-18 - 18 = -36
3*77+6= 247	11 - 52 = -41
4+5-5= 4	100+20= 120
2-24 = -22	5(3) - 1 = 14
-1-5(3) = -16	-4(7) - 1 = -29
3*3*2 = 18	-4(4) - 4 = -20
-10 + 19 = 9	-99 + 3 = -96
16 + 4 = 20	-1(10) + 2 = -8
-6(-4) = 24	-10 + (-4) = -14
-2*3+5 = -1	-5(-4) - 1 = 19
-7(-7) = 49	55 + (-5) = 50

orange	orange
-2(5) - 22 = -32	7^2 - 2^2 = 45
-4(8) - 1 = -33	5(-2+4) = 10
2^3 - 5(4) = -14	4+2*11 = 26
-10 + 4^2 = 6	2*25 - 24 + 6 = 47
-3(1-3)(-2) = -27	3(-1+7) = -12
4(6-8) = -8	3 - (-2)^3 = 5
	-6(2) + 2 = -10
	-6(-2) = 12
	-14 + (5+3) = -6
	7 - (-7) = 14
	30 - 13 = 17

13	-8	12	35	-17	27	42	-7	49	25	31	-25	-3	-16	5	-11
20	-35	3	-16	-2	-34	11	-37	-30	4	-14	-31	6	16	-19	19
-9	2	-99	-40	-39	-94	45	-23	48	44	7	32	38	-5	26	-18
34	-1	28	15	-15	22	-22	-44	-4	8	-32	-13	17	39	-28	33
1	40	14	30	41	10	41	18	9	21	46	47	23	43	27	38
-10	0	21	36	-33	29	43	-6	37	24	-45	-20	46	-26	-42	-12





THANKS!!

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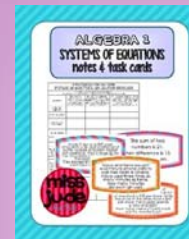
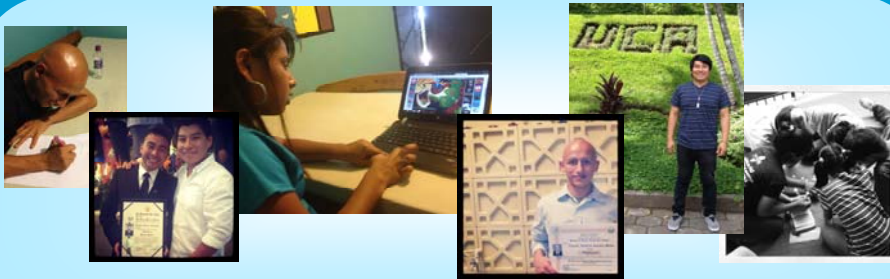
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INTEGER OPERATIONS COLOR BY NUMBER

evaluate the integer expressions below and color the answers in the array below.

PINK	RED		GRAY			
$2 \cdot 2 \cdot 2 =$	$8 - (-9) =$	$11+11+4 =$	$25 \div (-5) =$	$21 + 21 =$	$20 \div -5 =$	$-22 - 22 =$
$-12 \div -6 =$	$-12 \div (4) =$	$3 \cdot 3 \cdot 3 =$	$-18 - 23 =$	$-84 \div 2 =$	$48 \div 8 =$	$-7(4 + 1) =$
$-7 \cdot 4 =$	$-4 - 7 =$	$-30 \div -6 =$	$-11 - (-39) =$	$-5(8) =$	$-3(11) =$	$40 - 4 =$
$9 - 9 =$	$-9 - 8 =$	$5(-3) =$	$-3 + 50 =$	$-31 - 16 =$	$-23 - 23 =$	$15(3) =$
$-6 - 8 =$	$-15 + 46 =$	$-8(3) =$	$3 - 40 =$	$40 - 2 =$	$-40 \div 20 =$	$81 \div 9 =$
$6(4) =$	$-1(25) =$	$5 \cdot 5 =$	$50 + (-7) =$	$-2(11) =$	$22(2) =$	$-4(4) =$
$-40 + 6 =$	$-22 - 1 =$	$16 \div 4 =$	$-50 + 1 =$	$11 - 50 =$	$2(3)(3) =$	$70 \div 2 =$
$-6 - 6 =$	$5 - 34 =$	$-33 \div -3 =$	$2 - 50 =$	$-60 \div -3 =$	$-5 + 24 =$	$-20 \div (-2) =$
$-11(-2) =$	$-15 - 15 =$	$-7 + 40 =$	$-4 \div -4 =$	$-6 + 40 =$	$4 - 22 =$	$-2 + 14 =$
$20 + (-5) =$	$-4(-8) =$	$8 - 9 =$	$-6 - (-52) =$	$-90 \div 9 =$	$-42 \div 2 =$	$12 - (-18) =$
$30 - 1 =$	$-50 - (-19) =$	$-9 \div -3 =$	$-21 - 22 =$	$-20 + 1 =$	$-3 \cdot 3 =$	$15 + 26 =$
$15 - (-8) =$	$26 \div 2 =$		$7 - 20 =$	$-16 - 16 =$	$16 \div -2 =$	$49 \div 7 =$
$-4(5) =$			$3(13) =$	$-5(9) =$	$3 - 30 =$	$-3(-7) =$
$8 - (-6) =$			$-8(-5) =$	$-14 \div 2 =$	$35 + 13 =$	$12 - 50 =$
$8 + 8 =$			$5 - (-32) =$	$-4 \cdot 9 =$		
$14 - 40 =$						
$4 - 10 =$						

-49	-48	-47	-46	-45	-44	-43	-42	-41	-40	-39	-38	-37	-36
-35	-34	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24	-23	-22
-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8
-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6
7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34
35	36	37	38	39	40	41	42	43	44	45	46	47	48

INTEGER OPERATIONS COLOR BY NUMBER

evaluate the integer expressions below and color the answers in the array to the left.

-3	-40x	-2x
15	4x	10x
-16	-5x	16x
-64	2	-4
60	-40	-50
-4x	-20	6x
9x	-56	-x
36	20	-31
9	20x	45
-22	-7x	27
24	-8	33
-14x	0	36x
4	-24	-19
-75	x	11x
-94	-13	5
-9	-11x	12x
25	6	-15

gray	green	red	yellow
$-10x \div -10 =$	$-5 + 2(5) =$	$16 \div -1 =$	$-45 \div -5 =$
$10x - 24x =$	$-12 - 12 =$	$12 - (-3) =$	$(7-9)^3 =$
$5x + 5x =$	$\frac{1}{2}(8) =$	$-8 \div -4 =$	$-8 + 2^5 =$
$-30x + 42x =$	$-15(5) =$	$-8 \cdot 8 =$	$-11 + 44 =$
$-8(5x) =$	$15(-1) =$	$-15 \div 5 =$	$70 - 2(35) =$
$12x \div 2 =$	$-48 \div -8 =$	$-48 \div 12 =$	$-26 - (-4) =$
$-7x + 3x =$	$-100 + 6 =$		$50 + (-5) =$
$-12x + x =$	$-3^2 =$		$-9(-3) =$
$4x(5) =$	$(-5)^2 =$		
$12x - 8x =$	$15 - 28 =$	orange	
$44x \div 4 =$	$5 - 24 =$	$15 - (-45) =$	
$35x \div -5 =$		$18 - (-2) =$	
$-12x \div 12 =$		$-40 - 10 =$	
$-3x + x =$		$40 - 80 =$	
$\frac{1}{2}(18x) =$		$40 \div -2 =$	
$-2x(-8) =$		$-18(-2) =$	
$3(12x) =$		$-9 - 22 =$	
$25x \div -5 =$		$-7(2)^3 =$	

INTEGER OPERATIONS COLOR BY NUMBER

evaluate the integer expressions below and color the answers in the array below.

yellow	yellow	blue	red	green
$80 \div (-2) - 4 =$	$100 \div 20 =$	$4 + 2(5) =$	$-2 \cdot 3 \cdot 5 =$	$-10 + (-8) =$
$-6(-5) + 1 =$	$7 - (-14) =$	$26 \div 2 =$	$3 \cdot 22 \div 6 =$	$5(8) - 1 =$
$3 - 5(2) =$	$17 - 20 =$	$10 - (-30) =$	$3 \cdot 3 \cdot 2 =$	$(1 - 5)^2 =$
$3(4) - 6 =$	$-8 + 7 =$	$4 - 5(-6) =$	$-10 + 19 =$	$-4(6) - 4 =$
$3(12) + (-34) =$	$3 - (-4) =$	$-4(-5) =$	$-6(-7) =$	$-4(10) + 2 =$
$5 - 5(10) =$	$(8 - 3)^2 =$	$-8 \div -8 =$	$(-7)^2 =$	$-18 - 18 =$
$35 - 70 =$	$-5(6) + 1 =$	$-3^2 =$	$2 - 24 =$	$55 \div -5 =$
$-3(13) =$	$-7(-4) =$		$16 \div -4 =$	$-99 \div -3 =$
$2^5 =$	$12 - (-25) =$		$(4 + 5) \cdot 5 =$	$-6(7) - 1 =$
$-5 - 14 =$	$3 - 20 =$	purple	$-6(-8) =$	$100 \div -20 =$
$-30 - (-42) =$	$-2(5) - 22 =$	$45 - \frac{1}{2}(30) - 1 =$	$-1 - 5(8) =$	$-5(-4) - 1 =$
$12 - 20 =$	$5^2 - 7(5) =$	$-3(1+7) =$		
$-33 \div -11 =$	$86 \div 2 =$	$-20 - 4(5) =$		
$-19(-2) =$	$6 \cdot 2^2 =$	$7^2 - 2^3 =$		
$-70 \div -2 =$	$3^3 - (-2)^2 =$	$-16 \div (5 + 3) =$		
$3 \cdot 3 \cdot 3 =$	$-30 \div (8 - 6) =$	$(2 + 4)^2 =$		orange
$-14 - (-14) =$	$(2-5)(5+6) =$	$4 \div 2 \cdot 11 =$	orange	$-23 - 23 =$
$(-3)(-3)(-3) =$	$2^2 - 5(6) =$	$-2^4 =$	$-10 - 3 =$	$7 - (-1) =$
$-13 - 10 =$	$6(6 - 8) =$	$4^2 - 1 =$	$30 - 13 =$	$\frac{1}{4}(-80) =$
$-6(8 - 1) =$	$-10 + 6^2 =$	$60 \div 6 + 20 =$	$-3(8 - 1) =$	$23 - 19 =$
$2 \cdot 25 - 24 \div 6 =$	$5 + 6(-7) =$	$-68 \div 2 =$	$-88 \div -2 =$	$-10 - 3 - 1 =$
$-18 \div 3 =$	$32 - 57 =$	$5(-2 + 4) =$	$\frac{1}{2}(94) =$	$-51 + 2(10) =$

13	-8	12	35	-17	27	42	-7	49	25	31	-25	-3	-36	5	-11
20	-35	3	-16	-2	-34	11	-37	-30	4	-14	-31	6	16	-19	19
-9	2	-29	-40	-39	-24	45	-23	48	44	7	32	38	-5	26	-18
34	-1	28	15	-15	22	-22	-44	-4	8	-32	-13	17	39	-28	33
1	40	14	30	41	10	-41	18	9	-21	-46	47	23	-43	-27	-38
-10	0	21	36	-33	29	43	-6	37	24	-45	-20	46	-26	-42	-12

ANSWER KEY

PINK	RED		GRAY			
$2 \cdot 2 = 8$	$8 - (-9) = 17$	$11 + 11 + 4 = 26$	$25 \div (-5) = -5$	$21 + 21 = 42$	$20 \div -5 = -4$	$-22 - 22 = -44$
$-12 \div -6 = 2$	$-12 \div (4) = -3$	$3 \cdot 3 \cdot 3 = 27$	$-18 - 23 = -41$	$-84 \div 2 = -42$	$48 \div 8 = 6$	$-7(4 + 1) = -35$
$-7 \cdot 4 = -28$	$-4 - 7 = -11$	$-30 \div -6 = 5$	$-11 - (-39) = 28$	$-5(8) = -40$	$-3(11) = -33$	$40 - 4 = 36$
$9 - 9 = 0$	$-9 - 8 = -17$	$5(-3) = -15$	$-3 + 50 = 47$	$-31 - 16 = -47$	$-23 - 23 = -46$	$15(3) = 45$
$-6 - 8 = -14$	$-15 + 46 = 31$	$-8(3) = -24$	$3 - 40 = -37$	$40 - 2 = 38$	$-40 \div 20 = -2$	$81 \div 9 = 9$
$6(4) = 24$	$-1(25) = -25$	$5 \cdot 5 = 25$	$50 + (-7) = 43$	$-2(11) = -22$	$22(2) = 44$	$-4(4) = -16$
$-40 + 6 = -34$	$-22 - 1 = -23$	$16 \div 4 = 4$	$-50 + 1 = -49$	$11 - 50 = -39$	$2(3)(3) = 18$	$70 \div 2 = 35$
$-6 - 6 = -12$	$5 - 34 = -29$	$-33 \div -3 = 11$	$2 - 50 = -48$	$-60 \div -3 = 20$	$-5 + 24 = 19$	$-20 \div (-2) = 10$
$-11(-2) = 22$	$-15 - 15 = -30$	$-7 + 40 = 33$	$-4 \div -4 = 1$	$-6 + 40 = 34$	$4 - 22 = -18$	$-2 + 14 = 12$
$20 + (-5) = 15$	$-4(-8) = 32$	$8 - 9 = -1$	$-6 - (-52) = 46$	$-90 \div 9 = -10$	$-42 \div 2 = -21$	$12 - (-18) = 30$
$30 - 1 = 29$	$-50 - (-19) = -31$	$-9 \div -3 = 3$	$-21 - 22 = -43$	$-20 + 1 = -19$	$-3 \cdot 3 = -9$	$15 + 26 = 41$
$15 - (-8) = 23$	$26 \div 2 = 13$		$7 - 20 = -13$	$-16 - 16 = -32$	$16 \div -2 = -8$	$49 \div 7 = 7$
$-4(5) = -20$			$3(13) = 39$	$-5(9) = -45$	$3 - 30 = -27$	$-3(-7) = 21$
$8 - (-6) = 14$			$-8(-5) = 40$	$-14 \div 2 = -7$	$35 + 13 = 48$	$12 - 50 = -38$
$8 + 8 = 16$			$5 - (-32) = 37$	$-4 \cdot 9 = -36$		
$14 - 40 = -26$						
$4 - 10 = -6$						

-49	-48	-47	-46	-45	-44	-43	-42	-41	-40	-39	-38	-37	-36
-35	-34	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24	-23	-22
-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8
-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6
7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34
35	36	37	38	39	40	41	42	43	44	45	46	47	48

ANSWER KEY

-3	-40x	-2x
15	4x	10x
-16	-5x	16x
-64	2	-4
60	-40	-50
-4x	-20	6x
9x	-56	-x
36	20	-31
9	20x	45
-22	-7x	27
24	-8	33
-14x	0	36x
4	-24	-19
-75	x	11x
-94	-13	5
-9	-11x	12x
25	6	-15

gray	green	red	yellow
$-8(5x) = -40x$	$\frac{1}{2}(8) = 4$	$-15 \div 5 = -3$	$-45 \div -5 = 9$
$12x - 8x = 4x$	$-12 - 12 = -24$	$12 - (-3) = 15$	$-26 - (-4) = -22$
$25x \div -5 = -5x$	$5 - 24 = -19$	$16 \div -1 = -16$	$-8 + 2^5 = 24$
$-3x + x = -2x$	$-15(5) = -75$	$-8 \cdot 8 = -64$	$(7-9)^3 = -8$
$5x + 5x = 10x$	$-100 + 6 = -94$	$-8 \div -4 = 2$	$50 + (-5) = 45$
$-2x(-8) = 16x$	$15 - 28 = -13$	$-48 \div 12 = -4$	$-9(-3) = 27$
$-7x + 3x = -4x$	$-5 + 2(5) = 5$		$-11 + 44 = 33$
$\frac{1}{2}(18x) = 9x$	$-3^2 = -9$		$70 - 2(35) = 0$
$12x \div 2 = 6x$	$(-5)^2 = 25$		
$-12x \div 12 = -x$	$-48 \div -8 = 6$	orange	
$4x(5) = 20x$	$15(-1) = -15$	$15 - (-45) = 60$	
$35x \div -5 = -7x$		$40 - 80 = -40$	
$10x - 24x = -14x$		$-40 - 10 = -50$	
$3(12x) = 36x$		$40 \div -2 = -20$	
$-10x \div -10 = x$		$-7(2)^3 = -56$	
$44x \div 4 = 11x$		$-18(-2) = 36$	
$-12x + x = -11x$		$18 - (-2) = 20$	
$-30x + 42x = 12x$		$-9 - 22 = -31$	

ANSWER KEY

yellow	yellow	blue	red	green
$12 - 20 = -8$	$3 - 5(2) = -7$	$26 \div 2 = 13$	$-6(-7) = 42$	$-18 - 18 = -36$
$35 - 70 = -35$	$5 + 6(-7) = -37$	$-4(-5) = 20$	$3 \cdot 22 \div 6 = 11$	$(1 - 5)^2 = 16$
$3(12) + (-34) = 2$	$-13 - 10 = -23$	$-3^2 = -9$	$(4 + 5) \cdot 5 = 45$	$100 \div -20 = -5$
$-8 + 7 = -1$	$80 \div (-2) - 4 = -44$	$4 - 5(-6) = 34$	$2 - 24 = -22$	$5(8) - 1 = 39$
$-30 - (-42) = 12$	$86 \div 2 = 43$	$-8 \div -8 = 1$	$-1 - 5(8) = -41$	$-6(7) - 1 = -43$
$-33 \div -11 = 3$	$-18 \div 3 = -6$	$10 - (-30) = 40$	$3 \cdot 3 \cdot 2 = 18$	$-4(6) - 4 = -28$
$-5(6) + 1 = -29$	$12 - (-25) = 37$	$4 + 2(5) = 14$	$-10 + 19 = 9$	$-99 \div -3 = 33$
$-7(-4) = 28$	$6 \cdot 2^2 = 24$		$16 \div -4 = -4$	$-4(10) + 2 = -38$
$-70 \div -2 = 35$	$5 - 5(10) = -45$		$-6(-8) = 48$	$-10 + (-8) = -18$
$3 - 20 = -17$	$(8 - 3)^2 = 25$	purple	$-2 \cdot 3 \cdot 5 = -30$	$-5(-4) - 1 = 19$
$3 \cdot 3 \cdot 3 = 27$	$-6(-5) + 1 = 31$	$45 - \frac{1}{2}(30) - 1 = 29$	$(-7)^2 = 49$	$55 \div -5 = -11$
$5^2 - 7(5) = -10$	$17 - 20 = -3$	$-2^4 = -16$		
$-14 - (-14) = 0$	$3(4) - 6 = 6$	$-20 - 4(5) = -40$		
$7 - (-14) = 21$	$-19(-2) = 38$	$4^2 - 1 = 15$		
$-3(13) = -39$	$2^5 = 32$	$60 \div 6 + 20 = 30$		
$-30 \div (8 - 6) = -15$	$3 - (-4) = 7$	$(2 + 4)^2 = 36$		orange
$(2-5)(5+6) = -33$	$-2(5) - 22 = -32$	$7^2 - 2^3 = 41$	orange	$-3(8 - 1) = -21$
$-5 - 14 = -19$	$-6(8 - 1) = -42$	$5(-2 + 4) = 10$	$-10 - 3 - 1 = -14$	$-23 - 23 = -46$
$100 \div 20 = 5$	$2^2 - 5(6) = -26$	$4 \div 2 \cdot 11 = 22$	$-51 + 2(10) = -31$	$\frac{1}{2}(94) = 47$
$-10 + 6^2 = 26$	$2 \cdot 25 - 24 \div 6 = 46$	$-3(1+7) = -24$	$23 - 19 = 4$	$\frac{1}{4}(-80) = -20$
$(-3)(-3)(-3) = -27$	$3^3 - (-2)^2 = 23$	$-68 \div 2 = -34$	$-88 \div -2 = 44$	$-10 - 3 = -13$
$6(6 - 8) = -12$	$32 - 57 = -25$	$-16 \div (5 + 3) = -2$	$7 - (-1) = 8$	$30 - 13 = 17$

13	-8	12	35	-17	27	42	-7	49	25	31	-25	-3	-36	5	-11
20	-35	3	-16	-2	-34	11	-37	-30	4	-14	-31	6	16	-19	19
-9	2	-29	-40	-39	-24	45	-23	48	44	7	32	38	-5	26	-18
34	-1	28	15	-15	22	-22	-44	-4	8	-32	-13	17	39	-28	33
1	40	14	30	41	10	-41	18	9	-21	-46	47	23	-43	-27	-38
-10	0	21	36	-33	29	43	-6	37	24	-45	-20	46	-26	-42	-12