SC	chool 6		
1	nova	Math 3	Homework 11 🐝
1			
	Compare expressions (<, >, =):		
	7 × 7 5 × 9 4 × 9 5 × 6	25 + 25 + 4 × 7	25 11 × 7
	$4 \times 9 \dots 5 \times 6 + 5$	4 × 7 (11 × 4 (
	$3 \times 8 \dots 4 \times 4 + 8$		$12 + 12 \dots 8 \times 5 + 8$
2	 Mark two distinct points A and B of the following triangles (Draw the transmission of the following triangle (Draw the triangle b) △ABC- a right triangle b) △ABD - an obtuse triangle c) △ABE - an acute triangle 	riangles with differen	additional points C, D, E, so that you will get at colors):
	State all possible names for each fi	gure below	
3			

	HW 11 Perimeter. Parentheses	s. Equations			
4.	a) Use any 3 of these digits: 1, 2, 3 and 4 in the spaces below to make the answer 72. $x = 72$				
	b) Use any 3 of these digits: 1, 2, 3 and 4 in the $x = (is as large as possible)$	• spaces below to m	nake the largest possible	e answer.	
	c) Use any 3 of these digits: 1, 2, 3 and 4 in the $x = (is as small as point)$		ake the smallest possib	le answer.	
5.	The rectangle consists of the squares. The side of square is 1 cm. Find a perimeter of the rectangle.	f the small	1 cm	1 cm	
6.	The square was divided on 3 rectangles with give the square	en perimeters (see	e the drawing). Find the P=18 cm	perimeter of	
			P = 20 cm P = 26 cm		
7	Long multiplication with regrouping $39 \times 5 = 5^{\circ}$	∠ 7 × 6 =	93 ×	< 7 =	
		2			

HW 11	Peri	meter. Parentheses	. Equations	ĸ
	x and check your an $(5 - 14) = 10 + 29$		81 – r –	11 = 25 + 13
		-		
		-		
		-		
The princ	ipal of a school with	n 484 students colle	ected the information ab	bout the numbe
who wear	glasses. All results		he table below: wear glasses Never wea	ar alassas
	Aiways wear gia	isses sometimes	weur glusses wever wet	ii giasses
Boys	40		161	
Girls	36	55	144	
b) He	ow many of the stud	ents wear glasses s	wear glasses	
 b) Ho c) Ho d) An e) Ho f) Ho 	ow many of the stud ow many of the stud re there more boys o ow many of the stud ow many of the stud	ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo ents wear glasses <i>s</i> ents <i>never</i> wear gla	-	
 b) Ho c) Ho d) An e) Ho f) Ho g) An 	ow many of the stud ow many of the stud re there more boys o ow many of the stud ow many of the stud	ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo	sometimes?	
 b) Ho c) Ho d) An e) Ho f) Ho g) An 	ow many of the stud ow many of the stud re there more boys o ow many of the stud ow many of the stud re there more boys o	ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo	sometimes?	
 b) Ho c) Ho d) An e) Ho f) Ho g) An 	ow many of the stud ow many of the stud re there more boys o ow many of the stud ow many of the stud re there more boys o nber does <i>n</i> represen 130	ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo	sometimes?asses?	
b) Ho c) Ho d) An e) Ho f) Ho g) An What num 30 + n = 1 n =	ow many of the stud ow many of the stud re there more boys o ow many of the stud ow many of the stud re there more boys o nber does <i>n</i> represen 130	ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo ents wear glasses <i>s</i> ents <i>never</i> wear gla or girls in the schoo at in each equation $n = 1$ n = 1	sometimes?asses?	

	HW 11	Perimeter. Parentheses. Equations					
		-					
12	Evaluate an expression $9 \times a + 3$ for each value of <i>a</i> :						
	if a = 9	if a = 5	if $a = 20$				
13	a) While helping the	in mathematic unload a diahuurahan Wistori	a nut 5 mlatas an asah of 2 shaluas of the				
		ir mother to unload a dishwasher, Victoria Julia put 4 plates on the each of 3 shelves.					
	in the kitchen cabine						
	b) James has made 1	0 origami cranes Tom Mary and Nick h	ave each made as many origami cranes				
		b) James has made 10 origami cranes. Tom, Mary and Nick have each made as many origami cranes as James. How many origami cranes all four children made together?					
	c) Kathy had a piece	of the ribbon and she cut 9 meters from i	t. The remaining piece of the ribbon is 5				
	times as long as the	piece that was cut off. How long is the rer	maining piece?				
	How long was the or	riginal ribbon?					
14			A REAL				
14		and simplify the expressions:					
			(b - 100) =				
			a + 15) =				
			(-d) = + $(d-a+b) = $				
	03 - (a + 0 + 3) =		+(u - a + b) =				
15	Solve for <i>x</i> :						
13	(35 - x) + 45 = 90) $(x + 351)$	-290 = 410				

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HW 11

Perimeter. Parentheses. Equations



A pharmacy has an old balance scale, which has only two measuring weights: 30 grams and 5 grams. A pharmacist has to divide 300 grams of powder medicine into 3 small bags -150 gram in the 1st bag, 100 grams in the 2nd bag and 50 grams in the 3rd bag. How can he do it if he can only weigh 3 times?



HW 11 Perimeter. Parentheses. Equations



Instructions, Part 1 – Making the Template:

- Use compass to draw a circle at the center of the paper. Place the compass point at the center of the paper and carefully rotate, dragging the pencil tip completely around the point to create a circle.
- As shown above, keeping the compass at the same radius setting, align the point so that it is on the edge of the original circle. Draw a second circle. This will intersect the original circle twice as well as pass through its center point.
- Next, align the compass point on one of the intersections of the first and second circle as shown above. Draw a third circle.
- Repeat, aligning the compass point on the intersections of the original circle and the next circle until you have made it all the way around the original center circle.
- Draw a line from the center of the original circle to each of these intersections and about 1/2"-1" beyond.
- You have now divided the circle into six even segments! You can continue to divide radially until the circle is divided into 12 equal fractions as shown above.

Instructions, Part 2 – Using the Template:

- Use the template created in Part 1 by overlaying a sheet of trace paper and securing in place with a bit of tape at the corners.
- Trace the basic radial symmetry in metallic or white paint pen adding freehand details as you go.
- Create a snowflake by making sure you go all the way around the snowflake with individual detail repeating the pattern.
- Remove from template and hang in a window or overlay on dark construction paper to "reveal" the snowflake patterns. If hanging in a window, you can watch the striking changes in contrast as lighting changes throughout the day.
- PLEASE SUBMIT THE PICTURES OF YOUR SNOWFLAKES!

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Please don't forget to complete the multiplication exercise! Are you getting at it?

- 1) Put the timer on for three minutes and solve as many as you can!
- 2) Take a color pencil or pen and complete the rest.

HAVE A FUN! HAPPY HOLIDAYS TO YOU AND YOUR FAMILY!

