hool ⑤	Math 3 I	Homework	9
Compare the expressions wi	thout calculating its values. U	se <, >, =	
$5 \times 6 - 5 \_ 5 \times 5 + 5$ 48 + 20 \_ 4 × 5 + 50		$+7 \_ 6 \times 7 + 6$ 32 _ (32 - 24) × 7	
Calculate: 20 x 30 = 50 x 100 =	15 x 100 = 25 x 10 =	200 x 2 = 40 x 10 =	
	n 40 drawings were presented de with paints. How many tim		
Find the perimeter of the fol	lowing figure, if you know so	ome of the sides:	
Α	125 cm		B
			D
30cm			
			65cm
F	E		
	D	85 cm	C
		85 cm	
		·	

a) 9din 1cm - 3din 9cm - 2din 1cm         b) 4dm 2cm + 5m 8dm - 7m 6dm =         Draw a four-sided polygon that has right angles at the 2 bottom corners, an angle less than 90° at the upper left corner, and an angle greater than 90° in the upper right corner.         6         Calculate: $548 + 0 =$ $0 + 491 =$ $864 - 0 =$ $346 - 346 =$ $0 + 0 =$ $0 - 0 =$ $111 \times 0 =$ $2 \times 0 =$ $20 \times 30 =$ $15 \times 100 =$ $200 \times 2 =$ $50 \times 100 =$ $25 \times 10 =$		HW 9	Multiplication. Ang	gles. Perimeter.
Calculate: $548 + 0 =$ $0 + 491 =$ $864 - 0 =$ $346 - 346 =$ $0 + 0 =$ $0 - 0 =$ $111 \times 0 =$ $2 \times 0 =$ $0 \times 39 =$ $20 \times 30 =$ $15 \times 100 =$ $200 \times 2 =$ $50 \times 100 =$ $25 \times 10 =$ $40 \times 10 =$	5		n - 2dm 7cm =	
7       Calculate:         548 + 0 = $0 + 491 =$ $864 - 0 =$ 346 - 346 = $0 + 0 =$ $0 - 0 =$ 111 × 0 = $2 \times 0 =$ $0 \times 39 =$ 20 x 30 =       15 x 100 =       200 x 2 =         50 x 100 =       25 x 10 =       40 x 10 =         Perimeter of quadrilateral is 16 cm (assume that each cell is 1cm). Draw several different		b) 4dm 2cm + 5m 8dm	– 7m 6dm =	
$548 + 0 =$ $0 + 491 =$ $864 - 0 =$ $346 - 346 =$ $0 + 0 =$ $0 - 0 =$ $111 \times 0 =$ $2 \times 0 =$ $0 \times 39 =$ $20 \times 30 =$ $15 \times 100 =$ $200 \times 2 =$ $50 \times 100 =$ $25 \times 10 =$ $40 \times 10 =$ Perimeter of quadrilateral is 16 cm (assume that each cell is 1cm). Draw several different	6			
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			_	



Multiplication. Angles. Perimeter.

**Method**: Systematic counting *Example: How many triangles are there in the figure below?* 



Step 1. Count only triangles, which are formed by 1-unit triangle: A, B, C and D (total: 4) Step 2. Count only triangles, which are formed by 2-unit triangles: NONE Step 3. Count only triangles, which are formed by 3-units triangles: NONE Step 4. Count only triangles, which are formed by 4-units triangles: A+B+C+D (total: 1) Total: 4 + 0 + 0 + 1 = 5

How many triangles are there in the figure below (use a systematic counting method)?



10

9

Use a protractor to measure in degrees each of the angles in the shapes below:





HW 9

11

Multiplication. Angles. Perimeter.

Cora and Cecilia each use chalk to make their own number patterns on the sidewalk. Cora puts 0 in her first box and decides that she will add 3 every time to get the next number. Cecilia puts 0 in her first box and decides that she will add 9 every time to get the next number.

Cora:



- a) Complete each girl's sidewalk pattern.
- b) How many times greater is Cecilia's number in the 5th box be than Cora's number in the 5th box?

c) What about the numbers in the 8th box?

d) The 10th box?

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e) What pattern do you notice in your answers for part b? Why do you think that pattern exists?

f) If Cora and Cecilia kept their sidewalk patterns going, what number will be in Cora's box when Cecilia's corresponding box shows 108?

Complete the multiplication facts in the wheels below. Some answers have already been filled in.



						_											
	HW 9			M	ultip	olicat	ion.	Ang	gles.	Peri	mete	er.					
13	The numbers 0 through	19h 1	0 ea	ch ai	nea	rs or	nlv c	nce	in th	e sh	aded	row	and	once in	the sha	ded co	lumn
	Fill in all missed nu									<b>U</b> 511		10 10	unu	Shee hi	ine snu		
		X															
		Ê		-	9				0				-				
		-	-	-	0		_	-		10	-	-	-				
		-	-	_	-	-	-	-	-	16	-	-	-				
		_	_	25	_		_	-	_		-	30					
						4							16				
											100						
			49														
					0												
					_		1										
		-		-	-		-	-									
		-	-	-		16	-	-	-		-	-	64				
		-	-		-	10	_		-	-	-	-	04				
							_	81				_					
14	We know, that	0															
	$9+9+9+9=4 \times 4+4+4+4+4+4$			_ 0	~ 1	0.10	1										
	3+3+3+5+5=					and	1										
		0	0 1	2	_												
	Simplify: a) $n + n + n + n + n$	n —															
	b) $a + a + a + a + a + b$		+ b	=													
	c) $c + c + d + c + d$																
	We know, that $7 - 7$	- 0	11	. 11 -	- 0												
15	Simplify:	- 0,	11	11.	- 0.												
	n-n=																
	a - a =																
	c-d-c+d =																
	We know, that																
16	6 + 5 - 5 = 6 and																
	9 + 3 - 3 = 9																
	Simplify:																
	n + 5 - 5 =																
	16 + n - n =																
	a + 10 + a =																