]	P 2	ar	t]	[]							Indege
Wr	ite	low	/n a	s a 1	num	ber	exp	ores	sion	ı an	d ca	lcu	late	•									
Six	mo	ore t	thar	n 17															_				
Fiv	e le	ss t	han	25													 	 	_				
The	e pr	odu	ict c	of ei	ght	and	6_												_				
Fiv	e ti	mes	s as	larg	e as	s 8 _													_				
Foi	ır ti	me	s th	e su	m o	f 5 a	and	6_															
Do	ıble	e of	120	00															_				
c) (C is	equ	ual (to th	e si	ım o	of 1	1, 3	2 ar	nd 4	veen 40 1ess						 	 					
				olui 39 :		:				1	230	- 8	05 -	- 39) =				123	$0 \times$	39	=	
																	_						+

	HW 24 Part II	Arithmetic and Algebra Review
4	Complete the number patterns:	
	a),, 290, 285,	_,
	b) 486, 488,,	
	c), 123, 223,, 423	
5	Fill in the missed numbers in the	e brackets:
	a) 643 = () + () + () b) $300 + 30 + 3 = ($)
	c) $302 = () + () + () + ()$) d) $900 + 0 + 9 = ($)
6		ers in his piggy bank. On Tuesday, he had 17 quarters. On Wednesday, bank. If the pattern continues, how many quarters will Scott have in his
	piggy bank on Tuesday of the ne	
7	, 3	s, and each card has a different number on it. If the cards only have ns must you do to get an even result?
	oud numbers, what computation	is must you do to got an even result.
	· · ·	umbers, is it possible to get an odd result? What computations must at: Consider all 4 types of calculations you know (addition, subtraction,
	multiplication and division).	
•	The shares half and and a solution	h (a sthai's ha and some day as . Frances and a stars O has 5 (so thai's ha and
8.	4 gumdrops.	h toothpicks and gumdrops. For example, stage 2 has 5 toothpicks and
	a) Look at the pattern and then d answer the questions.	draw stage 5. For later stages, make a drawing if it helps you
	1	
	<	
	stag	ge 1 stage 2 stage 3 stage 4 stage 5
	b) How many toothpicks are the	ere at stage 5? c) How many gumdrops are there at stage 5?
	• •	he number of toothpicks and gumdrops for stages 1 through 8.
	stage	1 2 3 4 5 6 7 8

stage	1	2	3	4	5	6	7	8
number of toothpicks		5						
number of gumdrops		4						

	HW 24 Part II		Arith	metic and	Algebra	Review						
9.	In the list below, rate. Whose hear minute? • Adam's heart b • Rachel's heart • Brett's heart be	et will have beats 25 tim beats 160 ti	the most thes in 20 times in 1	t beats in seconds. 20 second	1 minute?		-					
10	A dozen eggs wi a. 8 omelets? b. 1 omelet? c. 9 omelets?			s. How m	any eggs	are neede	ed to ma	ke?				
11	How many omel d) 2 dozen eggs? e) 9 eggs? f) 21 eggs? Find the sum by	the most op	ptimal w	 - - ay:								
12	 a) 3 + 6 + 9 + 12 b) 2 + 4 + 6 + Open the parenth operations. a) 126 + 62 + (a b) 850 - 2b - (2) 	+48 = neses, colle -2b - 32)	ct the lik + 2a – b	e items ar =	nd simplif	y the exp	ressions	. Reme		the or	der o	ſ
	b) $850 - 2b - (3a)$			200 =								
13	Calculate in the co a) $180 \times 35 =$) b) 771 ×	< 5 =			c) 604	× 70 =				
					3				I	<u> </u>		

	HW 24 Part II	Arithmetic	and Algebra Review		
14			remainder where needed	:	
14	300 ÷ 3 =	300 ÷ 4 =		300 ÷ 6 =	
15	Solve the following e	quations and check yo	ur answers:		
13	$800 + \mathbf{x} \div 6 = 786$	$(4 \times \mathbf{x}) \div 10$	= 280 b	\times 18 + 312 = 402	
14	Simplify fractions (re	duce fractions to the k	owest terms).		
16				4	
	$\frac{6}{8} = \square$	$\frac{24}{32} = \square$	$\frac{27}{9} = \frac{\Box}{\Box}$	$\frac{4}{8} = \frac{\Box}{\Box}$	
	$\frac{5}{15} = \frac{\Box}{\Box}$	$\frac{14}{21} = \square$	$\frac{8}{32} = \frac{\Box}{\Box}$	$\frac{60}{90} = \square$	
	$\frac{8}{16} = \frac{\Box}{\Box}$	$\frac{30}{50} = \frac{\Box}{\Box}$	$\frac{7}{28} = \square$	$\frac{3}{9} = \frac{\Box}{\Box}$	
17	Use {} to list the elem for these sets. A = B = C = $A \cap B =$ $A \cap C =$ $B \cap C =$	nents of the sets A, B,	and C and their intersection	ons according to a Venn Diag	ram