Student Grade Level 4



		Name	_								
	_			Introduction							
		1. List all the factors of the fac	ne composite number 28.	4. Name the multiples of 3 that are greater than 30 and less than 60.							
		Circle the factors that a	are prime numbers.	Answer:							
		 Pedro listed the factors and 30. Did Pedro list a Answer:	of 30 as 2, 3, 5, 6, 10, 15, all the factors of 30?	 Jackson selected a mystery number. He gave Sara two clues to help her guess his number. The multiples of my mystery number include 18, 36, and 63. My mystery number has exactly 							
				3 different factors. What is Jackson's mystery number?							
		3. Study the clock face.		Answer:							
			1 2 → 3 5 4 4	6. Amanda's birthday is in February. The date of her birthday is the only prime number in that week. Use this calendar to find Amanda's birthday.							
Name		Which numbers on the	clock face are	FEBRUARY sun mon tue wed thu fri sat 1 2 3 4 5 6 7							
Oartingr practice Additional structure of numbers includes only	5. Estelyn	composite numbers?		$\begin{bmatrix} 8 & 9 & 10 & 11 & 12 & 13 & 14 \\ 15 & 16 & 17 & 18 & 19 & 20 & 21 \end{bmatrix}$							
© 13. 23. 43. 53	numbers she foun	Answer:		22 23 24 25 26 27 28							
9, 11, 13, 15		Which numbers are pr	me numbers?	What is the date of Amenda's birthday?							
© 27, 49, 57, 63		Willow Hulliperb ure pri		what is the date of Amanda's birthday:							
12, 17, 22, 27 1		Answer:		Answer:							
	Develo										
 42 is a multiple of which numbers? 7 and 5 	about th			Use your							
and 9	The 1	Words for the Wise		brain on this one!							
© 6 and 3	The r		6								
© 8 and 4	© The 1 © The 1	factor	multiple pr	roduct							
 Clark's Department Store is celebrating its sixth anniversary by giving gift cards to every sixth customer. Upon entering the store, the customer pulls a number. Which of the following lists contains only winning numbers? 	6. The run numbers Omar's s of the fol on Omar	©2012–2014 MentoringMinds.cc	m	25 Illegal to copy Level 4							
(a) 1, 2, 3, 6		© 29									
12, 18, 24, 30	B 47	D 23	_								
© 6, 13, 21, 30											
6 10 04 00 40	7. Jann listed all th	he factors of 64 as:		tel Metivetien Meth							
0 18, 24, 32, 48	1	3. 4. 8. 16. 32. 64		otal Motivation Math rovides opportunities							
⊎ 18, 24, 32, 48	1.9										
♥ 18, 24, 52, 48 Which list names all factors of 96?	1, 2, 3	n commont?									
 U 10, 24, 32, 45 Which list names all factors of 36? A 1, 4, 6, 9, 36 	1, 2, 3 Why was Jann in (a) The factors of	ncorrect?	fo	or flexible original							
 Which list names all factors of 36? (a) 1, 4, 6, 9, 36 (b) 2, 3 	1, 2, 5 Why was Jann ir	ncorrect? of 64 do not include 16. of 64 do not include 3.	fo	or flexible, original,							
 a, 24, 32, 45 Which list names all factors of 36? a, 1, 4, 6, 9, 36 2, 3 c, 2, 3, 4, 6, 9, 12 	1, 2, 4 Why was Jann ir	ncorrect? of 64 do not include 16. of 64 do not include 3. 64 is not a factor of itself.	fo	or flexible, original, nd creative thinking.							
 15, 24, 32, 45 4. Which list names all factors of 36? (a) 1, 4, 6, 9, 36 (b) 2, 3 (c) 2, 3, 4, 6, 9, 12 (c) 1, 2, 3, 4, 6, 9, 12, 18, 36 	1, 2, 3 Why was Jann in The factors o The factors o The number Numbers alw number of 6.	ncorrect? of 64 do not include 16. of 64 do not include 3. 64 is not a factor of itself. vays have an odd ctors.	fo	or flexible, original, nd creative thinking.							

total motivation math

Name			
	independent practice		
. Which list shows 4 numbers that are multiples of 7?	5. Jason used color tiles to create arrays for the number 9. These are all the arrays he found.		
③ 7, 14, 24, 63			
B 7, 42, 56, 84			
© 21, 42, 67, 81		VOIL	OFT DOTH
		YUU	GEI BUIH
	Based on the arrays, what can you conclude	atud	ante ann wark in
2. At the ballpark, every ninth person in line	about the number 9?	siua	ents can work in
received a free baseball cap. Which person in line was not selected to receive a free	It is a prime number.	the l	hook and online!
baseball cap?	 It is a composite number. It has a faster of 4 		
	© It has a factor of 4.		
B 63	U it is a multiple of 18.		
© 78			
© 90			
	6. Which of the following shows the smallest and		
Bart told Lisa that all the factors of 24 are	largest 2-digit prime numbers?		
because	(4) 2, 37 (a) 12 01		
\circledast all the factors of 24 are even numbers.			
B 24 is an even number and even numbers rever have add numbers for them	© 11, 57 © 1.89	Name	
never have odd numbers as factors.	0 1,09	- Addition	
© 24 only has composite numbers as factors.		that are all	4 . Which list names all the factors of 84?
Only 2 factors of 24 are odd numbers.		unat are an	 A finite number number and the nucleons of 04. A 1 3 4 7 12 28 42 84
	7. Which of the following lists contains exactly 2		(B) 2, 3, 4, 7, 12, 28, 42
. The factors of a number include 2, 3, and 4. Which of the following could not .	prime numbers and 2 composite numbers?		© 1 2 4 6 7 12 14 21 28 42 84
be the number?	A 12, 13, 14, 15		© 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84
A 24 A	(B) 9, 10, 11, 12		0 1, 2, 0, 1, 0, 1, 12, 11, 21, 20, 12, 01
B 36	© 11, 12, 13, 14		
© 48	© 15, 16, 17, 18		5. Mary created a table showing the factor
© 64		on holding a ticket of 8 won a bag of	Factor Pairs of 42.
	▲	ticket number	
	1 I I I I I I I I I I I I I I I I I I I		Factor Pairs 42 21 14 7
©2012–2014 MentoringMinds.com	27 Illegal to copy Level 4		Based on the table of factor pairs, what can
	@ 81		you conclude about 42?
	0.96		(a) The number 42 is prime.
			(B) The number 42 has a factor of 5.
	I I		© The number 42 is composite.
1000	3. J'Nae listed all the fa	ctors of 100.	D The number 7 is the only prime factor of 42.
	© More: © Hels: © Sign Co. 1. 2. 4. 5. 2:	0. 25. 50. 100	
Which of the following lists contains exactly 2		(1 9	6. Lukas tells his teacher that on his hirthday his
prime numbers and 2 composite numbers?	What was J Nae's mi	stake?	age will be a prime number. He also tells her
A 12, 13, 14, 15	A She did not includ A She did not includ	1e 40 as one of the factors.	prime since he was 7 years old. What age will
D 9 10 11 12	Sne should nave i	nciuded 10 as a factor.	Lukas be on his birthday?
B 9, 10, 11, 12	© She should not ha	ive included 5 as a factor.	@ 9 © 11
C 11, 12, 13, 14	a factor.	e number, so it cannot be	⑧ 10 ⑨ 12
D 15 16 17 18			
0 10, 10, 11, 10			
	7. Are all prime number	rs also odd numbers?	
/ 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			
the start of the s	Justify your answer.		



instruct

practice evaluate

Name

student

GRADE LEVEL 4 math

																					Criti	cal ti	<u>ninking</u>	
											A	nalys	is/An	alyze)									
											1.	Mar you Wha	rco is i nger t at are	in eler han h their	nentary scho is father. The ages?	ol. His father ages of Mar	r is 30 rco, his	years ol mother,	der than and his	n Marco father	o, and his are all pi	mother rime nur	is 4 years nbers.	
												Ma	rco's	age: _				-						
												Fat	her's	age: _				-						
												Mo	ther's	age:				-						
											A	nalys	is/An	alyze)									
											2.	Perc	ey, Hil	da, an	d Fred take	turns riding	their h	orse. Pe	rcy ride	s every	4 days, H	Iilda rid	es every 5	
												the	s, and horse	on the	e same day?	days. II this	patter	ii contii	iues, wn	at will	be the hr	st day ti	ley all ride	
												Ans	wor											
												How	v did v	zou fin	d vour answ	er?		-						
															- j •]								
	notivat	ion st	ation		Nam	ne																		
				Mu	ltipl	e M	ultip	oles																
Skip mult each	count to find tiple with a c multiple of	d multiple colored do 2, you wor	es on the hu t using the uld place a	indred colors small i	chart and lo red do	. Reco catior t in th	rd the ns out	e mult lined oer lef	tiples in the t corn	by ma table er of t	rking below hat n	the so . For o umber	quare examp r's squ	of eac ole, for are.	h	yze								h
	Color an	d Locatio	on Table	_				Н	undre	d Cha	art		_			e number or	r a com	posite n	umber?			A		
	Multiples of	Color of Dot	Location of Dot		1	2	3	4	5	6	7	8	9	10		pictures to	justify	your ar	swer.			للندا		
	2	Red]	11	12	13	14	15	16	17	18	19	20										
	3	Blue		1	21	22	23	24	25	26	27	28	29	30										
	4	Green		1	31	32	33	34	35	36	37	38	39	40										
	5	Orange	•	1	41	42 52	43	44	45	46	47	48	49 50	50 60									L et	
	6	Yellow	•	1	61	52 62	63	64	65	66	67	68	60	70				29			Illegal to copy	r	Lev	/el 4
	7	Black	•	1	71	72	73	74	75	76	77	78	79	80										
	8	Purple	•	1	81	82	83	84	85	86	87	88	89	90										
	9	Brown	•	1	91	92	93	94	95	96	97	98	99	100										
						C																		
1. f	Name a num	ber that is	s a multiple	e of all	these	factor	's: 2, 3	, 4, 5,	and t).								Thinking for Life!	Mult	tiple Multiples		110	Ø More 014	Restantion
																		Skip count to find a multiple with a col- each multiple of 2	altiples on the bundeed of red dot using the colors ar on would place a small re-	hart. Becord the molti of lecations outlined is d dot in the upper left	plos by marking the square of a the table below. For example corner of that rounder's squar	rach for 0.		\$ -
2. I	Describe a pa	ittern you	can see on	your c	omple	ted ch	nart.								-			Color and I Multiples dL. 2	ocation Table	Ho 1 2 3 4 11 13 14 21 22 23 4	scred Chart 5 7 8 9 15 8 17 9 19 25 26 927 8 29	•		Restartion (
																				31 22 33 34 48 40 44 88 52 53 4		84 •		4
(Daront Ao	tivities)															7 8 1	Reck	** ** ** ** ** 71 ** 73 % eff *2 *8 91 *2 *5 **				
	Practice f	inding mu	ltiples by s	kip cou	unting	toget	her. S	elect	a nun	ıber fi	om		7 (Name a number Answer: 6 Describe a path 	that is a multiple of all th	aese factores: 2, 3, 4, 5, 1 upleted chart.	ad 6.	-		
2	2 to 9 and A Have your	l skip cour r child use	nt to 100. e small squ	are tile	es to n	nake r	ectan	gles. I	Find t	he len	gth,	Ą	1 Sel		4			Teacher grad	4					Late + Gorden Paul
	width, and another re	d area of e ectangle c	each rectan	gle by ed with	counti n the s	ing th ame a	e tiles area b	the ut dif	n dete ferent	rmine dime	if nsion	5.			~			Townski in Trichon T					Convergibl & 2004 Minimizing 1	Note, NI Taple Tears
$\$	Use this i	mormatio	n to detern	nne if	me ar	ea val	ue 1s	a prir	ne or (compo	sue n	unibe	1.											
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