## LEAP-Emphasis CARENCRO DARES for Grade Eight Days 1-25

		<b>BAT</b> 1							
	07.00	DAY 1							
1. 231 2	. 9763	3.	237	4.	2).1346				
<u>+ 457</u>	<u>-4301</u>		<u>× 12</u>						
A. Find the average: 11,	7, 3, 8, 6								
B. a2 + 3 =	o. 2 + (–3) =	С	2 + (-3)	=					
C. Change to repeating of	lecimal notation	n, to nine j	places past	decimal poin	nt: 0.3				
D. The Cottonmouth foo	tball team star	ted on the	35 yard lin	e, with four j	plays (chances) to				
get to the 45 yard line.	In the first play	, they lost	two yards.	On the seco	ond play, they				
gained seven yards. On	the third play, t	they gained	d one yard.	How much	more would they				
need to gain on the fourt	h play to get to	the 45 yar	d line?						
5. Complete with expone	ents in the boxe	es: $(6 \times 10^{\circ})$	) $(-)$ +(5 × 10	0 <sup>□</sup> ) + 3(10 <sup>□</sup>	) = 6053				
	I	DAY 2 BEL	OW	·					
1. Add: 2	. Subtract:	3.	27	'8 4.	8)644				
974 + 566 =	4936 - 1943	3 =	× 2	25	0,011				
A. Find the average: 2, 1	, 5, 8, 1, 4								
B. a. $-7 + 9 =$ b. $7 + (-9) =$ c. $-7 + (-9) =$									
C. Change to repeating decimal notation, to pine places past decimal point: 71.9									
D The Cottonmouth football team started on the 35 yard line, with four plays (chances) to									
get to the 45 yard line. On the first play, they gained two yards. On the second play, they									
lost seven vards. On the third play, they gained six vards. How much more would they									
need to gain on the fourt	h play to get to	the 45 var	d line?						
5. Round 56381 to the nearest hundred.									
DAY 3 BELOW									
1. Find the sum: 2	. Find differ	ence:	3. 593	4.	3 812				
6142 + 3756 =	9408 - 84	496 =	× 14		5/012				
A. Find the average: 5.	1. 10. 2								
B. a. $10 + (-10) =$	-10 + (-10) =	= C	10 + 10	=					
C. Change to repeating of	lecimal notation	n, to nine i	places past	decimal poir	nt: 32.98				
D. The Cottonmouth foo	thall team start	ted on the	35 vard lin	e with four i	plays (chances) to				
get to the 45 yard line	)n the first play	they gair	ed nine va	rds On the	second play they				
lost four vards On the t	hird play they	lost one va	ard How n	uich more w	ould they need to				
gain on the fourth play to	get to the 45 y	vard line?		iden more w	ould they need to				
5 If a rectangle has leng	th 7 and width	13  find t	he area						
	DA	Y 4 BELOV	<b>V</b>						
1 582 2	300	3	196	4	0 0815				
143	- 299	0.	× 37		9/9813				
+ 214			<u>× 01</u>						
A. Find the average: 15	12.3.10.5			1					
B For a rectangle with 1	-ngth = 1.8 m g	and width	$= 3/4 \mathrm{m}$ find	nd the area a	and perimeter				
C. Change to repeating of	lecimal notation	n, to nine	places past	decimal noi	nt: 61.458				
D. Pearl mows grass in 1	er neighborbo	nd. getting	paid \$9 pe	rlawn If sh	e mows a lawn in				
50 minutes, how much is	she paid each	hour?	Lang 42 be						
	$\frac{1}{1}  \frac{1}{3}  \frac{3}{3}  \frac{3}{2}$								

5. Which equal(s) 1?  $\frac{1}{2} \div \frac{1}{2}$ ;  $\frac{1}{3} \div \frac{1}{3}$ ;  $\frac{3}{4} \times \frac{3}{4}$ ;  $\frac{3}{5} - \frac{2}{5}$ 

					C	DAY 5	5 BELOW				
1.	Find	779	2.	Subtract:		3.	Multiply:		4.	7)85264	
	the	698		5000 – 4768 =	=			144 and 24		,	
	total	<u>+ 579</u>									
А.	Find the	e mode: 1	0, 11,	5, 10, 2, 5, 10							
В.	B. a. $-20 + 6 =$ b. $-20 + (-6) =$ c. $20 + (-6) =$										
C.	C. With prism volume = base area $\times$ height, find volume in cubic feet if the base area is 33										
sqı	are feet	and the	height	is 4 <b>yards.</b>	_						
D.	D. Pearl mows grass in her neighborhood, getting paid \$9 per lawn. If she mows a lawn in										
40	40 minutes, how much is she paid each hour?										
5.	5. Round 672 to the nearest ten.										
	DAY 6 PELOW										
1	DAY 6 BELOW										
1.	21,	913	2.	23,490		3.	208	4	•	54) 378	
Δ	$\frac{+92,021}{10000000000000000000000000000000000$										
A. D		r = 11eutan;	19, 1 b	0, 2, 13, 15			100 + (	<u> </u>			
Б. С	a. It Find vo	$10 \pm 0 =$	D.	-100 + 0 =	tha	C norol	$100 \pm (-100 \pm )$	-0) -			
C.	bwn ond	the heigh	tis 5	5	une .	parai	10091 a111 0				
5110	Jwii allu	the neigh	11 15 .0	0.			/	· · /			
								10			
D.	Pearl m	ows grass	in he	r neighborhood	l. ge	etting	paid \$9 p	er lawn. If s	she mov	vs a lawn in	
30	minutes	, how mu	ch is s	she paid each h	iour	?	1 1				
5.	Draw a s	semicircle	2.	•							
				DA	AY 7	7 BEI	LOW				
1.	Find th	e sum: 7	5 + 89	+ 97 + 2.	23	3,496	5 3.	351 × 92 =	= 4.	43)301	
			88	+ 53 =	_ 1	13,39	7			, ,	
А.	Find the	e average:	10, 1	3, 4, 12							
В.	3. a. $6-2 =$ b. $-6-2 =$ c. $-6-(-2) =$										

C. Find the volume of a prism whose base is shown 18 and whose height is 2.5

D. Carla travels 100 miles in 2 hours and 180 miles in three hours. What is her average speed in miles per hour?

5

6

20

5. The perimeter of a regular pentagon is 45. What is the length of each side?

				DAY	7 8 BEL	OW		··		
1.	608 <u>+ 95</u>	2.	Find di \$76,04	fference: 3 – 28,976	= 3.	700 ×	50 =	4.		48)432
A.	Find the m	nedian: 9,	9, 2, 10,	8				• •		
B.	a. 15 –	8 =	b15 -	- 8 =	c.	-15 - (	-8) =			
					/		).8			
C. sho	Find the v wn and wl	olume of a nose heigh	prism w t is 10.5	hose base	is	15 1	3			
D. spe	Taft travel ed in miles	s 90 miles s per hour	in 2 hou ?	irs and 190	) miles i	n three	hours.	What is	his a	verage
5.	Copy the	true staten	nent(s)	.4 > 3	2.3 <	.75	9 < 7	7.6 =	3 + 4.	6
			·····	DA	Y 9 BEL	OW				
1.	Add: + 3	946 0,306	2. 486.0	004 - 72 =	3.	Find 1 789	product × 94 =	: 4.		83) 332
A. 1	Find the m	node: 5, 1	1, 13, 5,	13, 11, 13	, 11, 11,	13, 13				
B. a. $27 - 32 =$ b. $-27 - 32 =$ c. $-27 - (-32) =$										
C. (	Change to :	repeating of	decimal r	notation, to	nine pl	aces pas	st decin	nal point	t: 9.5	541
D.	Millsap tra	avels 110 r	niles in 6	hours and	d 140 m	iles in fo	our hou	rs. Wha	at is h	is average
spe	ed in miles	s per hour	?							0
5. 1	Find the p	erimeter of	f a 13 bv	17 rectang	gle.					
				DAY	10 BEL	OW				
1.	Find the s 258 + 58	sum: 84 + 845 +	207 =	2. Subtra	ct:	763 =	3.	144	4.	67)536
Δ	Find the m	$\frac{18}{100}$	207	10 10 1	,002 - 0 10	,105 -		<u> </u>		
ъ. В.	a. 121	-0 =	b. –121	10, 10, 1, -0 =	12 C.	-121 -	(0) =			
С.	Change to	repeating	decimal	notation, t	o nine p	laces pa	ist decir	nal poin	it: 33	5.192
D.	The 250 st	tudents wi	ll travel i	n buses th	at each	hold 42	studen	ts. If th	le fewe	est number
of b	uses are u	ised, how i	many bu	ses will be	needed	þ				
5. I	Round 62,	936 to the	nearest	thousand.						
				DAY	11 BEI	WO.				
1.	.8		2.	.87	3.	526	5	4.		32)896
	<u>+ .</u> 5		-	.39		× 42	2			
					I					
A. V	Vhat's the	lowest sco	re on the	e spelling t	est?	Scor	es on a	Spelling	g Test	7
B.	a. 117 – 1	23 = b	-117 - 12	23 =		Sten	n	Leaves	•	1
	c117 -	(-123) =				6	89			1
C. (	Change to	repeating (	lecimal r	notation, to	nine	7	23	5788		
plac	ces past de	cimal noir	nt: 6.37	8		8	44	67789	9	
D.	The $250$ st	tudents wi	ll travel i	n buses th	at each	9	14	5777		
•			- uuvui i		a cuch		· · · ·			1

are used, how many seats will be empty?

hold 45 students. If the fewest number of buses

5. Write 3,609, 482 with words.

]	DAY 12 BEL	OW		
1. Find the sum: 2. Subtract:	3.	Multiply	4.	48)672
2.9 + .12 = 7.1 -	2.8 =	36 and 967		10/072
A. What was the range of scores? (se	ee table of sc	ores on Day 11.)		
B. a. $9 \times 7 =$ b. $-9 \times 7 =$	(	$-9 \times -7 =$		
C. Tell which is greater, 7.10 or 7.5				
D. The 250 students will travel in bu	uses that eacl	n hold 51 studen	ts. If th	ne fewest number
of buses are used, how many buses w	will be needed	1?		_
5. Draw a cylinder.				
		NT7		
	DAY 13 BELO	<b>DW</b>	021	
1. Add: $2.58$ 2. Find diffe	erence:	3.	231	4. 29)667
φ 60	.50 – .19	2	<u>&lt; 47</u>	
φ.09 φ.5.97				
$\frac{  \Psi 0.07 }{\Delta}$ What was the mode of the scores	2 (see table o	fecores Day 11)		
R a $12 \times 12 =$ b $-12 \times 12$		$-12 \times -12 =$		
C Tell which is greater $8125$ or $8$	13	. –12 × –12 –		
D A catalog writer made a table for	shipping wei	ghts of several si	zes of c	at beds. The
table looked like this:	simpping we	Since of several si	200 01 0	
cat bed length = $\mathbf{B}$	weight = <b>W</b>			7
12 in.	2 lbs.			-
15 in.	3 lbs.			-
18 in.	4 lbs.			-
21 in.	5 lbs.			
Choose the equation that relates <b>B</b> as	nd <b>W</b> .			
I. $4\mathbf{B} + W = 50$	II. 3 <b>W</b> + 6 =	В		
III. $B \div 4 - 1 = C$	IV. <b>B</b> ÷ 6 = <b>V</b>	7		
5. What is the value of the digit 8 in	12,836,200	?		
	- DAY 14 BE	LOW		
1.         Find the total:         2.86         2.	8.03	3. 87	4.	12)324
.12	<u>97</u>	<u>× 897</u>		
<u>+ .7 .</u>				
A. What was the median score? (see	table of scor	es, Day 11)		
B. a. $11 \times 7 =$ b. $11 \times -7 =$	(	$-11 \times -7 =$		
C. Which would give a greater chan	ge in the volu	ime of a prism	adding	$5 \text{ in}^2$ to the base
area or adding $i$ in. to the height? J	ustily your a	nswer.	<b>C</b> 1	1 1 771
D. A catalog writer made a table for	snipping wei	gnts of several si	zes of d	log beas. The
table looked like this:	maight - TT			7
$\log \text{ bed length} = \mathbf{B}$	$\frac{\text{weight} = \mathbf{W}}{5 \text{ lbc}}$			-
12 In. 15 in	5 108. 6 1ba			-
15 III. 10 !	7 1ha			-
18 In.	1 IDS. 8 1bc			-
21  In.	o 108.			
Choose the equation that relates <b>D</b> al		_		

I. $2\mathbf{B} + \mathbf{W} = 29$ II. $4\mathbf{W} - 8 = \mathbf{B}$ III. $\mathbf{B} \div 3 + 1 = \mathbf{W}$ IV. $\mathbf{B} \div 6 = \mathbf{W}$ Find the area of a rectangle with length 19 and height 7. 5.

	DAY 15 BELOW								
1.	Add: 8 + .05 =	2.	Subtract:	3.	24 × 312 =	4.	24)984		
			47.6 - 6.5 =				/		

A. Jamie must do three different strokes in her training medley. She must do the breast, back, crawl, or butterfly. How many different ways can she combine her strokes?

a.  $15 \times 3 = b$ .  $15 \times -3 = c$ c.  $-15 \times -3 =$ B. C. Find the volume of the prism whose base is the triangle

shown and whose height is 50.

D. A catalog writer made a table for shipping weights of several sizes of brass lamps. The table looked like this:

brass lamp height = <b>B</b>	weight = <b>W</b>
20 in.	5 lbs.
24 in.	8 lbs.
28 in.	11 lbs.
32 in.	14 lbs.

Choose the equation that relates **B** and **W**.

I.	<b>B</b> + 2 <b>W</b> = 30	II. 4 <b>W</b>
III.	$3\mathbf{B} = 4\mathbf{W} + 40$	IV. <b>B</b>

3**B** = 4**W** + 40 IV. **B** + 10 = 6**W** 

5.	Copy the prime	e numbers:	7	10 1	9	13	8					
	DAY 16 BELOW											
1.	2.103	2.	9	674 =		3.	501	4.	48) 3120			
	+ 4.839						<u>× 25</u>		-,			

= **B** 

A. Mary must choose a password of six digits. She can only use the digits 1–8 without repeating. How many possible combinations will she choose from?

B. a. 
$$13 \times 2 =$$
 b.  $-2 \times 13 =$  c.  $-2 \times -13 =$ 

C. Find the volume of the prism whose base is the trapezoid shown and whose height is 90.

41 28

8

D. Xena, Yaseen, and Zuner rake leaves for \$20 per person 61 every Saturday. On one Saturday, Xena is ill and the other two split her work. How much should each get paid?

5.	What fraction	of these	numbers are prin	ne? 13	19	16	22	25		
	DAY 17 BELOW									
1.	1.5	2.	Find the	3.		803	4.	24)1824		
	2.1		difference:			× 144		/ -		
	<u>+ 4.3</u>		4.829 =							

A. Tina designs swim suits. Her colors are silver, black, puce, and purple. How many different three-color combinations can she make?

B. Tell which is greater, 0.9862 or 0.9852



C. Find the volume of the prism whose base is the trapezoid shown and whose height is 15.

D. Xena, Yaseen, and Zuner rake leaves for \$20 per person every Saturday. One one Saturday, Xena is ill and Zuner does her work. How much should each get paid?

5. Give the next number in the series: 3, 6, 9, 12, 15, \_\_\_\_

				DAY 1	8 BEI	.OW				
1.	Find the sum o	f 6.4,	2.	.5 .		3.	406	<b>)</b>	4.	72)2664
	.976, and	12.87		289			× 406			, _,
Α.	Frieda, Elly, Bill,	Al, and (	Gil are i	in a rela	y race	e. But	only thre	e can ri	n. 1	They must
dec	lecide the order of running. Count all possible orders in which three of the five can run.									
В.	a. 27 ÷ 9 =	b. –2	27 ÷ 9 =	-	с	. –27	÷ -9 =			
C.	Tell which is great	er, 3.90	0 or 3.9	9						
D.	Xena, Yaseen, an	d Zuner	rake le	aves for	\$20 t	per per	rson ever	y Saturd	lay.	One one
Sat	turday, Xena does I	half her	work aı	nd then	has t	o go to	the dent	ist. The	othe	r two split the
res	t of her work. How	much s	should e	each get	paid	?				
5.	The perimeter of a	regular	octagor	n (eight e	equal	sides)	is 96. H	ow long	is ea	ch side?
				DAY	<u>19 B</u>	ELOW				
1.	.752 + 4.53 + 6	= 2.	Subtra	ct:	3.		8327	4.		95) 6935
			7 -	- 3.01 =			<u>× 524</u>	<u>-</u>		
А.	Lisa has four poste	ers to pu	it in a r	row on h	er wa	11: Brit	ttney Arro	ows, M'S	ync,	the Dixie
Ch	ucks, and the Fron	itstreet E	Boys. C	count th	e nun	nber o	f ways Lis	sa can h	ang t	three posters
В.	a. 75 ÷ 15 =	b. 75	$5 \div -15$	=	С	. –75	÷-15 =			
<u>C</u> .	C. Tell which is greater, 47.3602 or 47.36018.									
D.	D. In the metric system, the customary measures of weight are milligram, gram, kilogram,									
and	d hectogram. What	t would	one use	e to weig	h a la	rge do	ig:			
5.	Simplify: $3 \times 10^5$	$+$ 8 $\times$ 1	$0^4 + 7$	′ × 10 <sup>3</sup> -	+ 5 × .	$10^{2} +$	6 =			
	DAY 20 BELOW									
1.	.08	2.	8.3 – .	607 =		3.	886	4.		41)1845
	+ 1.5.	• .	-		1.0		<u>× 697  </u>			
A.	Three different sh	irts can	be wor	n with fi	ve dif	ferent	hats. Ho	w many	com	binations can
be	worn?	1 0				06	0			
В.	a. $96 \div 3 =$	b9	$96 \div 3 =$	1 C	С	. –96	÷ -3 =		.1: :	1.11
C.	Define probability.	(answe	r: num	ber of w	ays a	partic	cular ever	it occurs	s aivi	aea by
nu:	In the metric quat	itcomes.	) Diatoma			of	abt one n	illianom	~~~~	m lilogram
D.	In the metric syste	t would		ary mea	sures	noll m	igni are n	iiiigrafi	i, gra	m, knogram,
5	If you get poid \$2	$\frac{1}{50}$ per $\frac{1}{100}$	one use			nan p.	noid per	month?		
5.			<u>, 110</u>		21 B		paiù pei			
1	1	2	6		<b>21 D</b>	200W	1			27 4551
1.	$\frac{1}{\sigma}$	4.			0.	<u>-</u>	$\times \frac{1}{2} =$			37)4551
	5		7			3	3			
		_	4							
	5		7							
А.	For 118,250,604,	<u>4</u> 21,795			•					
a.	What is the value	of the u	ınderlin	ned digit	?					
b.	Which numeral is	s in the t	ten billi	ons plac	ce?					
c.	Write the numera	l in wor	d form							
d.	d. round the numeral to the trillions place.									
В.	a. 65 ÷ 5 =	b. 65	5 ÷ -5 =		С	65	÷-5 =			
C.	Define event. (ans	swer: a s	pecific of	outcome	e)					

D. Customary metric measures of distance are millimeter, centimeter, meter, and kilometer. What would one use measure

(A) a driveway? (B) a border between countries? (C) a spoon?

5. Find perimeter and area of a rectangle with length 6 and height 10.



5.	What is the greatest common factor of 18 and 30 ?									
	DAY 23 BELOW									
1.	Add:	$\frac{\frac{2}{5}}{\frac{+\frac{2}{5}}{5}}$	2.	Find difference: $\frac{13}{16} - \frac{5}{16} =$	3.	$\frac{\frac{1}{2}}{\times \frac{1}{4}}$	4.	34)7344		

15 min 54 sec Α. - 9 min 50 sec

Simplify: :  $a. -3 + 5 \times -6 =$ b.  $3 + -5 \times 6 =$ В.

The Sports Store carries one brand of basketball tank-top in three sizes, M, L, XL. C. Each size comes in two colors, gold (G), and black (B). Make a tree diagram that shows all the possible combinations of size and color.

D. Write an expression for the 10<sup>th</sup> term in this sequence:



	DAY 24 BELOW									
1.       Find the sum:       2.       Subtract:       3. $\frac{7}{8} \times \frac{1}{3} =$ 4.       17)3 $\frac{3}{7} + \frac{2}{7} =$ $\frac{8}{19} - \frac{8}{19} =$ 3. $\frac{7}{8} \times \frac{1}{3} =$ 4.       17)3	366									

A. 7 hr 55 min

Β.

<u>+3 hr 18 min</u>

Simplify: : a. 5 + 7(-8) = b. -5 + (-7)8 =

C. Make a tree diagram to show all possible outcomes when at a restaurant choosing between soup or salad, fish or chicken, and ice cream or cake.

D. Write an expression for the 10<sup>th</sup> term in this sequence:



DAY 25 BELOW							
1.	$\frac{6}{25} + \frac{8}{25} =$	2.	$\frac{5}{7} - \frac{0}{7} =$	3.	503 <u>× 200</u>	4.	52)9672

A. Draw and label a 130° angle. Classify this angle, and give the measure of the angle's supplement.

B. Simplify: a. -10 - |3 - 9| = b. 10 + |3 - 9| =

C. Define combination: an arrangement or listing of objects in which order is not important.

D. The average of six girls' heights is 50 inches. If a seventh girl's height is 64 inches, what is the new average?

5. Copy the numbers that are not prime. 7 20 0 18 21 16 49 51 27