

Grade 4 Term 1, Week 8 LESSON PLAN	
N a m e o f L e s s o n	Multiplicati on and Estimation of Multi-digit Numbers
L e a r n i n g A r e a / s	Mathematic s
D e s	

i g n e d b y T e a c h e r / s	
D e s i g n e d f o r w h i c h G r a d	4

e L e v e l a n d S e c t i o n						
N o . o f S e s s i o n s	S e s s i o n 1	S e s s i o n 2	S e s s i o n 3	S e s s i o n 4	S e s s i o n 5	
R e f e r e	Dep Ed Mat h 4 Tea cher					

n c e s (b o o k s , w e b s i t e s , t o o l k i t s , e t c .)	's Gui de (pp. 100 -11 5) • Gra de 4 Lea rner 's Mat eria ls (Un it 1, Wee k 8) • Mul tipli cati on Flas hear ds and Bas e-Te n Blo cks • Dep Ed TV / Kno
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	wle dge Cha nnel Mul tipli cati on Vid eos • Mat atag Cur ricu lum Mat hem atic s 4 Les son Exe mpl ar (Qu arte r 1)
D e c l a r a t i	Artificial Intelligence (AI) tools were used to assist in the preparation of this lesson plan,

o	particularly
n	in
o	generating
f	ideas,
A	improving
I	clarity of
u	instructions,
s	and
e	organizing
C	learning
i	activities
t	aligned with
e	the MELCs.
h	All
o	AI-assisted
w	outputs
A	were
I	carefully
w	reviewed,
a	validated,
s	and
u	contextualiz
s	ed by the
e	teacher to
d	ensure
i	accuracy,
n	appropriate
t	ness, and
h	alignment
e	with DepEd
f	standards.
o	
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s s o n p l a n . S e e D O 3 , 2 0 2 6 A n n e x A . 	
I n t e n t i o n s . 	Meaningful learning experiences are anchored in how we frame them. Start by deciding what you want learners to master by the end of the lesson - keep it clear

	and simple. Remember: Understanding your learners' evolving context and designing around it help ensure that your lessons connect with and are relevant to them.
L e a r n i n g C o m p e t e n c y :	1. Multiply two numbers with and without regrouping: a. 3- to 4-digit numbers by a 1-digit number, b. 2- to 3-digit numbers by 2-digit numbers, with products up to 1,000,000. 2. Estimate

W r i t e t h e c o m p e t e n c y / i e s f r o m t h e c u r r i c u l u m t h a t w e a r e t a r	the result of multiplying two numbers where the product is less than 1,000,000.
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g e t i n g , a n d t h e c o n t e n t o r p e r f o r m a n c e s t a n d a r d s a p p l i c a b l	
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e t o t h e s e s s i o n .					
L e a r n i n g O b j e c t i v e s : W r i t e t h e s	M u l t i p l y 3 - t o 4 - d i g i t n u m b e r s	M u l t i p l y 3 - t o 4 - d i g i t n u m b e r s	M u l t i p l y 2 - d i g i t n u m b e r s	M u l t i p l y 3 - d i g i t n u m b e r s	E s t i m a t e d h e r e i n t h e f u t u r e

m a l l e r k n o w l e d g e , s k i l l s , o r t a s k s f r o m t h e c o m p e t e n c y t h a t	b y a l - d i g i t n u s m b e r w i t h o r e g r o u p i n g u s i n	b y a l - d i g i t n u s m b e r w i t h o r e g r o u p i n g u s i n	d i g i t n u m b e r s w i t h a n d w i t h o u t p r e g r o u p i n g u s i n	d i g i t n u m b e r s w i t h a n d w i t h o u t p r e g r o u p i n g u s i n	d i g i t n u m b e r s w i t h a n d w i t h o u t p r e g r o u p i n g u s i n
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t h e l e a r n e r s w i l l w o r k o n a n d b e a b l e t o s h o w b y t h e e n d o f t h e s e	g t h e e x p a n d e d f o r m a n d s t a n d a r d a l g o r i t h m .	r e a l - w o r l d d e p r o b l e m s .	s i n g t h e a r r e m e l a n d s t a n d a r d a l g o r i t h m .	h i l l e t e n s i v e d e r e n c e s p l a c e v a l u e a l i g n m e n t	g f a c t o r s t o t h e i r h i g h e s t p l a c e v a l u e .
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s s i o n s .				t .	
L Grade 4 e learners a who have r mastered n basic e multiplicati r on facts C (0-10) and o understand n place value t up to the e hundred-tho x usands. t Students are : transitionin W g from r concrete i representati t ons to e abstract y algorithms. o u r o b s e r v a t i o n s o					

f y o u r l e a r n e r s , a n d h o w t h e y h a v e b e e n p e r f o r m i n g o r r e s p o n d	
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i n g t o l e a r n i n g e x p e r i e n c e s r e c e n t l y . I n c l u d e s t r e n g t h s : i	
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n t e r e s t s , a n d p o s s i b l e b a r r i e r s t o l e a r n i n g .	
L e a r n i n g	A learning experience is like a thoughtfully designed journey. Each activity and

P r e - L e s s o n : D e s c r i b	E interaction x builds p towards e meaningful r understandi i ng and e growth. n Identify c activities e and . interactions to help learners gain knowledge, skills, or understandi ng in a purposeful way.				
	P r e - L e s s o n : D e s c r i b	C r e n d i u e c w t p a l ' a M u e l t i p l	R e v i d e w p a ' a M u e l t i p l	P r e v i d e w p a ' a M u e l t i p l	D r e m s o n u s s t s a r t a h e i e i m o p o r t

and e of m ultip lica t ion n und a il y l i f e , s u c h a
i n g 2 - d i g i t a n d 3 - d i g i t n u m b e r s t o t h e n e a r e
i e w o f t h e d i s t r i b u t i v e p r o p e r t y u s i n g s m a l
b y a s k i n g s t u d e n t s t o i d e n t i f y t h e d i g i t s i n
i c a t i o n s p r i n t ' d r i l l w h e r e s t u d e n t s a n s w e
e h o w y o u w i l l h e l p t h e l e a r n e r s g e t r e a d y f o r t h e l e s s o n .

	r	t	l	s	s
	2	h	n	t	c
	0	e	u	t	a
	b	t	m	e	l
	a	h	b	n	c
	s	o	e	s	u
	i	u	r	o	l
	c	s	s	r	a
	m	a	t	h	t
	u	n	o	u	i
	l	d	s	n	n
	t	s	h	d	g
	i	,	o	r	t
	p	h	w	e	h
	l	u	h	d	e
	i	n	o	s	t
	c	d	w	a	o
	a	r	4	s	t
	t	e	x	a	a
	i	d	l	p	l
	o	s	2	r	c
	n	,	i	e	o
	f	t	s	r	s
	a	e	t	e	t
	c	n	h	q	o
	t	s	e	u	f
	s	,	s	i	m
	i	a	a	s	u
	n	n	m	i	l
	2	d	e	t	t
	m	o	a	e	i
	i	n	s	f	p
	n	e	(	o	l
	u	s	4	r	e
	t	p	x	e	i
	e	l	l	s	t
	a	0	t	e	

	s .	c e s o f n u m b e r s l i k e 4 , 5 2 1 a n d 8 7 6 .	) + (4 x 2) .	i m s a t i o n .	m s a t a g r o c e r y s t o r e .
F l o w : D e s c	I n t r o d u c	I n t r o d u c	I n t r o d u c	I n t r o d u c	I n t r o d u c

r i b e t h e a c t i v i t i e s t h a t y o u c a n i m p l e m e n t i n l o r m o r e s e s s i o	t i o n : P r e s e n t a p r o b l e m w h e r e a s f a r m e r h u s v e	t i o n : S h a r e a c c e s s i b l e w h e r e a s f a r m e r h u s v e	t i o n : S h o w a 2 4 - p e n i e c e w g t r a y a n d a s x h o w m a n	t i o n : P r e s e n t a p r o b l e m w h e r e a s f a r m e r h u s v e	t i o n : I m a g i n e y o u a g r e e a t a m a r k e t a n d n e e d t o b
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n s t o m e e t t h e l e a r n i n g o b j e c t i v e s . A p p l y t h e L e a r n i n g D e s i g	s t s 1 , 2 3 1 m a n g o s , p e r d a y f o r 2 d a y s . A s k h o w m	o x e s o f c r e a y n o s , e p e r d o n t a y s . E x p l a i n t h e w	y e g g s a r e i n 2 s i m i l a r t r a y s . E x p l a i n t h e w	s a f a c t o r y p o f j u i c e f o r 2 2 5 3 p e s o s p a c h . Y o u o n l	u 4 8 p a c k s o f j u i c e f o r 2 2 5 3 p e s o s p a c h . Y o u o n l
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n P r i n c i p l e s · · ·	a n y m a n g o d e s a r e h a t h i n v e s t e d i n t h e t a l · I n t r o d u	. A s k s t o w m e n l t i p l y h i n g a c e d i n g i t n a u t a b l e w r i t i n g o	e a r n s h o w m e n l t i p l y h i n g a c e d i n g i t n a u t a b l e w r i t i n g o	m y h a v e l 5 0 0 p e s · D o y o u h a v e d e a n o u g h ? D i s c u
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	c	q	t	r	s
	e	u	h	o	s
	t	i	e	d	w
	h	r	r	u	h
	e	e	2	c	y
	t	'	-	e	a
	o	r	d	s	n
	p	e	i	3	e
	i	g	g	-	s
	c	r	i	d	t
	o	o	t	i	i
	f	u	n	g	m
m	p	u	i	t	a
u	i	m	t	t	t
l	n	b	b	e	i
t	g	e	y	s	f
i	'	r	2	-	d
p	b	.	-	d	a
l	a	I	i	s	t
y	s	n	g	t	e
i	e	d	s	i	t
n	d	o	t	t	r
g	o	n	r	m	a
3	n	r	u	n	d
-	t	h	c	t	m
t	e	t	i	i	o
o	o	i	p	r	e
-	n	o	l	u	s
d	e	n	a	c	s
i	s	-	l	e	f
g	-	p	P	a	t
i	t	l	r	i	o
n	a	c	c	e	h
u	c	e			
m	e				

	b e r s b y l - d i g i t w i t h o u t r e g r o u p i n g .	p r o d u c t (4 x 6 = 2 4) .	d u r e : I n t r o d u c e n t h ' A r e a M o d e l ' o r ' B o x M e t	n . I n s t r u c t i o n a l P r o c e d u r e : M o d e l 4 2 5 x 1 5	e r e h a n c e a c t a n s w e r . I n s t r u c t i o n a l P r
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	u	r	h	o
	c	e	s	i
	t	:	d	n
	i	D	'	d
	o	e	.	g
	n	m	D	t
	a	o	r	h
	l	n	a	e
	P	s	w	:
	r	t	a	T
	o	r	2	a
	c	a	x	n
	e	t	2	d
	d	e	g	h
	u	t	r	a
	r	h	i	r
	e	e	d	'
	:	S	.	R
	S	t	B	g
	h	a	r	o
	o	n	e	r
	w	d	a	i
	t	a	k	t
	h	r	2	h
	e	d	4	m
	s	A	i	.
	o	l	n	F
	l	g	t	i
	u	o	(	r
	t	i	2	s
	i	0	t	f
	o	h	l	o
	n	+	a	r
	u	4	y	E
	s	w	)	s
	i	i	a	t
	n	t	n	i
			:	m

	g t h e E x p a n d e d F o r m : 1 , 2 3 1 x 2 = (1 , 0 0 0 + 2 0 0 + 3	h r e g r o p i n g .S t r i n g M u l t i p l y n o s (4 x 6 = 2 4	d l 2 i n t o (1 0 + 2) .F i l l t h e b o x : 2 0 x 1 0 ,	5 x 4 2 5 = 2 , 1 2 5 .R e m i n d e a c h f a c t o r o f i t s h o u l d b e p r	a t i o n ' .R u l e : R o u n d e a c h f a c t o r o f i t s h o u l d b e p r
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	0	)	4	o	s
	+	.	x	p	t
	1	W	1	e	p
	)	r	0	r	l
	x	i	=	l	a
	2	t	4	y	c
	=	e	0	.	e
	(	4	,	S	v
	2	i	2	e	a
	,	n	0	c	l
	0	t	x	o	u
	0	h	2	n	e
	0	e	=	d	.
	+	o	4	l	4
	4	n	0	a	8
	0	e	,	y	r
	0	s	4	e	o
	+	p	x	r	u
	6	l	2	:	n
	0	a	=	P	d
	+	c	8	l	s
	2	e	.	a	t
	)	a	A	c	o
	=	n	d	e	5
	2	d	d	a	0
	,	c	a	z	.
	4	a	l	r	2
	6	r	l	r	3
	2	r	p	o	r
	.	y	a	i	o
	E	2	r	n	u
	x	t	t	t	n
	p	e	s	h	d
	l	n	:	e	s
	a	s	2	o	t
	i	.	0	n	o
	n	S	0	e	2

	t h a t e a c h p l a c e v a l u e i s m u l t i p l i e d i n d i v i d	t e p 2 : M u l t i p l y t h e n x 4 s h o w t h e a n d d i n t h e 2 c a	+ 4 0 + 4 0 + 8 = 2 8 8 . N e x t , s h o w t h e S a n d a r d F i n g a l	s c o l u m n , t h e n p l y t h e p r o d u c t e d n u m b e r s : 5 0 x 2 0	0 . T h e n m u l t i p l y t h e p r o d u c t e d n u m b e r s : 5 0 x 2 0
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	u	r	r	s	=
	a	r	i	t	1
	l	e	t	e	,0
	y	d	m	p	0
	.	t	w	:	0
	T	e	i	d	.
	h	n	t	S	p
	e	s	h	i	a
	n	(	p	n	c
	,	2	a	e	1
	t	2	r	,0	
	r	)	t	0	
	a	.	i	0	
	n	W	a	0	
	s	r	l	p	
	i	i	p	r	
	t	t	r	o	
	i	e	o	d	
	o	2	d	u	
	n	i	u	c	
	t	n	c	t	
	o	t	t	s	
	t	h	s	(	
	h	e	.	2	
	e	t	E	,1	
	S	n	p	2	
	t	a	s	5	
	a	p	a	+	
	d	l	s	4	
	a	a	i	,0	
	r	c	z	,2	
	d	e	e	5	
	A	a	t	0	
	l	n	h	=	
	g	d	e	6	

	o r i t h m : A l i g n t h e n u t m b e r s v e r t i c a l l y m u l t	c a r r y 2 h u n d r e d S r w p h e n M u l t i p l y h u n d r e d s	' z e r o p l a c e h o l d e r ' w h e n m u l t i p l y i n g b y t h e	, 3 7 5) . S u n d e r s t h e i m p o r t a n c e o f c o l u m n s a n d l i n e	a v e n o u g h . P r o v i d e p a n o t h e r e x a m p l e : 3 , 8 2 1
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	i	(	t	n	x
	p	4	e	m	1
	l	x	n	e	9
	y	3	s	n	.
	t	=	d	t	R
	h	1	i	t	o
	e	2	g	o	u
	o	)	i	a	n
	n	a	t	v	d
	e	n	(	o	3
	s	d	t	i	,
	f	a	h	d	8
	i	d	e	a	2
	r	d	'	d	1
	s	t	l	d	t
	t	h	'	i	o
	(	e	i	t	4
	2	2	n	i	,
	x	c	1	o	0
	l	a	2	n	0
	=	r	)	e	0
	2	r	.	r	a
	)	i		r	n
	,	e	G	o	d
	t	d	u	r	1
	h	h	i	s	9
	e	n	d	.	t
	n	n	e	G	2
	t	d	d	P	0
	e	r	P	r	.
	n	e	r	o	4
	s	d	a	u	,
	(	s	c	p	0
	2	(	t	W	0
	x	1	i	o	0
	3	4	c	r	0
	=	)	e	k	x

	6	.	:	:	2
	)	W	P	'	0
	,	r	e	T	=
	t	i	r	h	8
	h	t	f	e	0
	e	e	o	M	,
	n	l	r	u	0
	h	4	m	l	0
	u	a	3	t	0
	n	c	5	i	.
	d	r	x	p	G
	r	e	2	l	u
	e	s	2	i	i
	d	s	o	c	d
	s	t	n	a	e
	(	h	t	t	d
	2	e	h	i	P
	x	r	e	b	n
	2	e	m	o	S
	=	a	a	t	a
	4	)	i	r	c
	,	a	n	d	r
	n	i	.	'	e
	n	n	S	.	:
	d	g	h	A	U
	f	p	o	s	s
	i	a	t	s	e
	a	c	h	i	'
	l	e	e	g	S
	l	s	f	n	h
	y	.	i	p	o
	t	T	r	r	w
	h	h	s	i	-
	o	e	t	c	M
	u	r	p	e	

	s	e	a	s	-
	a	s	r	t	B
	n	u	t	o	o
	d	l	i	i	a
	s	t	a	t	r
	(	i	l	e	d
	2	s	p	m	s
	x	l	r	(	.
	1	,	o	d	T
	=	4	u	.g	e
	2	4	c	t	a
	)	.	t	.	c
	.	U	(	,	h
	G	s	2	T	e
	u	e	x	o	r
	i	c	3	y	s
	d	o	5	C	h
	e	l	=	a	o
	d	o	7	r	w
	P	r	0	=	s
	r	e	)	1	a
	a	d	a	2	p
	c	c	n	5	r
	t	h	d	p	o
	i	a	t	e	b
	c	l	h	s	l
	e	k	e	s	e
	:	t	s	s	m
	S	o	e	)	(
	o	h	c	.	e
	l	i	o	A	.
	v	g	n	s	g
	e	h	d	k	.
	e	l	p	g	,
	x	i	a	r	6
	a	g	r	o	1

	m	h	t	u	2
	p	t	i	p	x
	l	t	a	s	3
	e	h	l	t	7
	s	e	p	)	
	o	c	r	c	,
	n	a	o	a	a
	t	r	d	l	n
	h	r	u	c	d
	e	i	c	u	s
	b	e	t	l	t
	o	d	(	a	u
	a	d	2	t	d
	r	i	0	e	e
	d	g	x	t	n
	t	i	3	h	t
	o	t	5	e	s
	g	s	=	t	m
	e	.	7	o	u
	t	h	0	a	t
	e	c	)	l	w
	r	t	.	f	r
	,	i	A	o	i
	s	v	d	r	t
	u	c	t	2	e
	h	y	t	5	t
	a	:	h	u	h
	s	D	m	i	r
	4	i	t	t	o
	3	v	o	s	u
	2	i	g	.	n
	x	d	e	G	d
	2	e	t	r	e
	a	t	h	o	d
	n	h	e	u	f

	d	e	r	p	a
	2	c	t	s	c
	,	l	o	m	t
	1	a	g	u	o
	0	s	e	r	s
	3	s	t	t	s
	x	i	7	p	a
	3	n	7	r	n
	.	t	0	e	d
	C	o	.	s	t
	a	g	E	e	h
	l	r	x	n	e
	l	o	p	t	e
	s	u	l	t	s
	t	p	a	h	t
	u	s	i	e	i
	d	.	n	i	m
	e	P	c	r	a
	n	r	l	s	t
	t	o	e	t	e
	s	v	a	e	d
	t	i	r	p	p
	o	d	l	-	r
	w	e	y	b	o
	r	e	w	y	d
	i	a	h	-	u
	t	c	y	s	c
	e	h	t	t	t
	t	g	h	e	(
	h	r	e	p	6
	e	o	s	c	0
	d	u	e	a	0
	i	p	c	l	x
	g	w	o	c	4
	i	i	n	u	0
	t	t	d	l	=
	s	h	l	a	2

	i n t h e c o r r e c t c o n l u m n s . D i s c u s s w h y n o ' c a r r	' T a s k C o r d e s ' c o n z e r n i n g p r o b l e m s l y n i k e l c a r r	i n t e r n e t i n f o r m a t i o n . I n d e p e n d e n t P e r v e n t i o n s	t i o n) M S y n t h e s i s : C o m p r e h e n s i v e a n a l y s i s . R e s u l t s a r e d i s c u s s e d i n t h e c o n c l u s i o n s	4 , 0 0) . S y n t h e s i s : C o m p r e h e n s i v e a n a l y s i s . R e s u l t s a r e d i s c u s s e d i n t h e c o n c l u s i o n s
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product with each factor. Discrepancy scores, such as for the 15 items, are calculated by subtracting the observed frequency from the expected frequency. The discrepancy scores are then squared and summed to give the total discrepancy score. The total discrepancy score is then divided by the number of items to give the average discrepancy score. The average discrepancy score is then compared to a critical value to determine if the observed frequency is significantly different from the expected frequency.

	f	r	t	c	t
	i	e	h	e	h
	c	g	e	h	e
	e	r	i	o	e
	x	o	r	l	s
	a	u	n	d	t
	m	p	o	e	i
	p	i	t	r	m
	l	n	e	o	a
	e	g	b	r	t
	s	p	o	a	e
	b	r	o	d	w
	e	o	k	d	a
	c	c	s	i	s
	a	e	u	n	a
	u	s	s	g	n
	s	s	i	t	'
	e	u	n	h	o
	e	s	g	e	v
	a	i	b	c	e
	c	n	o	a	r
	h	g	t	r	e
	p	b	h	r	s
	r	a	t	i	t
	o	s	h	e	i
	d	e	e	d	m
	u	-	a	n	a
	c	t	r	u	t
	t	e	e	m	e
	i	n	a	b	'
	s	b	m	e	o
	l	l	o	r	r
	e	o	d	s	'
	s	c	e	f	u
	s	k	l	r	n
	t	d	a	o	d
	h	r	n	m	e

	a n l 0 .	a w i n g s o r d i g i a s l : U s e a ' T h i n k - P a i r - S h a r e	d s t a n d a r d a t e g l g o r i t h i m e o c v e r S i f t p h e e i r o n i s d e a '	t h e s t i m a t e ' C o n c l u d e t h a t s e t i m P a r t o f i n d i c e s	r e s t i m a t e ' C o n c l u d e t h a t s e t i m P a r t o f i n d i c e s
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	'	s	s	C	e
	a	t	.	h	d
	c	u		e	t
	t	d		c	c
	i	e		k	h
	v	n		Y	e
	i	t		o	e
	t	s		u	c
	y	s		r	k
	w	u		W	i
	h	m		o	f
	e	r		r	a
	r	a		k	n
	e	r		'	a
	s	i		c	n
	t	z		h	s
	u	e		e	w
	d	t		e	c
	e	h		k	r
	n	e		l	i
	t	r		i	s
	s	u		s	r
	c	l		t	e
	r	e		.	a
	e	s			s
	a	f			o
	t	o			n
	e	r			a
	t	r			b
	h	e			l
	e	g			e
	i	r			.
	r	o			
	o	u			
	w	p			
	n	i			
3	n				

	- d i g i t b y l - d i g i t m u l t i p l i c a t i o n p r o b l e m t	g : ' I f t h e p r o d u c t i n a n y c o l u m n i s l o r e ,			
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	h a t d o e s n o t r e q u i r e r e g r o u p i n g a n d t r a d e i t	w r i t e t h e o n e s d i g i t b e l l o w a n d c a r r y t h e t e n s			
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	w i t h a p a r t n e r t o s o l v e . R e i t e r a t e h a t t h e s	d i g i t a l i z a t i o n o f t h e n e x t p l a c e v a l u e o n t h e l e m e n t s .			
--	--	--	--	--	--

	t a n d a r d a l g o r i t h m				
	i s a s h o r t c u t f o r t h e d i s t				

	r i b u t i v e p r o p e r t y .				
L e a r n i n g R e s o u r c e s :	D e r a p E d e M a t h 4 T e a r ' s	G e r a l d e 4 L e a r n t e e ' M a t h	M u l t i p l i c a t i o n F l a s h	D e p e d T a V / K u r o r w i c e d l u m C M a	M e a t E a t a g C

L i s t d o w n t h e l e a r n i n g r e s s o u r c e s t h a t w i l l h e l p y o u r e a c h y o u	G u i d e (p p . 1 0 0 - 1 1 5)	r i a l s (U n i t 1 , W e e k 8)	c a r d s a n d B a s e - T e n B l o c k s	a n d M u l t i p l i c a t i o n V i d e o s	t h e m a t i c s 4 L e s s o n E x e m p l e s (Q u a r t e r 1)
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r o b j e c t i v e s . E n s u r e t h a t t h e y a r e a v a i l a b l e a n d i n c l u s i v e .					
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O	U	I	P	A	I
p	s	n	r	l	n
p	e	c	o	o	t
r	r	r	i	w	e
t	i	p	d	s	r
u	d	p	'	t	a
n	a	r	M	u	d
i	p	e	l	n	e
t	e	t	t	t	I
i	r	o	i	s	C
e	t	c	p	t	b
s	o	h	a	o	y
f	h	e	l	u	s
o	r	l	m	c	s
r	i	p	a	a	e
i	n	s	r	t	p
n	t	k	i	h	o
t	e	u	n	y	n
e	d	t	B	i	l
r	e	p	I	c	i
a	n	r	N	a	n
t	s	c	G	l	e
i	w	e	'	O	c
o	h	(	f	o	u
n	s	e	o	n	t
:	t	.	r	e	p
W	r	g	e	a	r
r	i	,	p	l	o
i	t	p	r	y	r
t	e	r	i	f	'
d	o				
w					
n					
a					
n					
y					
p					

o s s i b i l i t i e s t o m e a n i n g f u l l y a n c h o r l e a r n i n g a r e a s ' s p e c i	w i t h d i g i t a l i g n m e n t .	c e s o f b a n g u s o r m a n g o e s) f o r w o r d p r o b l e m s .	i n i s h e r s .	A b a c u s ' a p p o s i t i o n r e g r o u p i n g v i s u a l i z a t i o	o n q u i z z e s p o r t r e g a c t i v e w h i t e b o a r d g a m
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a l t o p i c , o r t e c h n o l o g y . W r i t e N / A i n f o n e .				n .	s .
A s s e s s m e n	Assessment s reveal what learners have gained and what they still need help with. These are helpful				

t .	in providing you with information to guide your future instruction.				
F o r m a t i v e A s s e s s m e n t : C r e a t e a t a s k , a c	1 . W h a t i s 3 2 1 x 3 ? A) 6 3 6 3 C) 9 6 3 C) 9 6 9 D	1 . M u a l t i p l y 4 5 6 b y 3 A) B , 3 6 8 B) 1 , 3 6 2 B) 1 , 2 5	1 . F i n d i t h e p r o d u c t i o n A) x 1 2 . A) 3 0 0 B	1 . W h a t i s 1 2 5 1 ? A) 8 B) 1 , 7 5 C	1 . E s t i m a t e t h e p r o d u c t i o f 4 8 2 x 3 . A

t i v i t y , o r q u e s t i o n s t o e v a l u a t e l e a r n i n g a n d p r o v i d e f e e d b	) 3 2 3 2 . S o l v e 1 , 0 2 2 2 x 4 . A) 4 , 0 8 8 B) 4 , 8 0 8 C) 4 , 2	8 C) 1 0 , 3 5 6 D) 1 , 3 6 2 2 . W h a t i s , 2 8 4 x 1 . A) 7 1 4 B)	) 2 5 0 C) 3 1 D) 3 2 5 2 . M u l t i p l y 3 4 x 2 1 . A) 7 1 4 B)	) 1 , 9 7 5 D) 2 , 5 0 2 0 . M u l t i p l y 2 , b y 3 . A) 9 , 4 7	) 1 0 , 0 0 B) 8 , 0 0 0 C) 1 2 , 0 0 D) 5 , 0 0 2 . E s t i m a
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a	8	0	6	6	t
c	8	B	1	B	e
k	)	)	4	)	5
.	D	5	C	8	8
(	)	,	)	,	x
S	4	4	7	4	3
t	,	2	1	7	1
r	0	0	2	6	.
i	0	C	D	C	A
e	8	)	)	)	)
t	3	6	6	9	1
t	.	,	8	,	,
l	M	4	4	2	8
s	u	0	3	7	0
p	l	0	.	6	0
e	t	D	W	D	B
r	i	)	h	)	)
s	p	6	a	9	1
s	l	,	t	,	,
i	y	2	i	4	5
o	2	8	s	5	0
n	,	4	1	6	0
)	1	3	5	3	C
.	3	.	x	.	)
	0	C	1	S	2
	b	a	4	o	,
	y	l	?	l	0
	2	c	A	v	0
	.	u	)	e	0
	A	l	2	2	D
	)	a	1	3	)
	4	t	0	4	1
	,	e	B	x	,
	2	3	)	1	2
	6	2	1	2	0
	0	9	9	.	0
	B	x	0	A	

	)	4	C	)	3
	4	.	)	2	.
	,	A	2	,	W
	1	)	0	8	h
	6	1	0	0	i
	0	,	D	8	c
	C	3	)	B	h
	)	1	2	)	i
	2	6	2	2	s
	,	B	0	,	t
	1	)	4	7	h
	6	1	.	0	e
	0	,	C	8	b
	D	2	a	C	e
	)	8	l	)	s
	4	6	c	2	t
	,	C	u	,	e
	2	)	l	8	s
	3	1	a	8	t
	0	,	t	0	i
	4	3	e	D	m
	.	1	5	)	a
	F	2	2	2	t
	i	D	x	,	e
	n	)	1	6	f
	d	1	1	0	o
	t	,	.	8	r
	h	2	A	4	3
	e	1	)	.	,
	p	6	5	C	1
	r	4	7	a	2
	o	.	2	l	4
	d	S	B	c	x
	u	)	5	u	4
	c	l	2	a	7
	t	v	2		?
	o	e	2	t	A

f	2	C	e	)
4	,	)	5	1
3	0	5	0	5
2	5	6	2	0
a	7	2	x	,
n	x	D	1	0
d	6	)	1	0
2	.	5	.	0
.	A	8	A	B
A	)	2	)	)
)	1	5	5	1
8	2	.	,	2
6	,	S	5	0
4	3	o	2	,
B	4	1	2	0
)	2	v	B	0
8	B	e	)	0
6	)	4	5	C
6	1	5	,	)
C	2	x	2	2
)	,	1	2	0
4	0	3	2	0
6	4	.	C	,
4	2	A	)	0
D	C	)	5	0
)	)	5	,	0
8	1	8	5	D
3	2	5	0	)
4	,	B	2	1
5	3	)	D	2
.	0	5	)	,
I	0	7	6	0
n	D	5	,	0
1	)	C	5	0
,	1	)	2	4
1	0	5	2	.
1	,	9		E

	1	3	5	5	s
	x	4	D	.	t
	5	2	)	F	i
	,	5	4	i	m
	w	.	8	n	a
	h	M	5	d	t
	a	u		t	e
	t	l		t	h
	i	t		e	p
	s	p		r	p
	t	l		o	r
	h	y		d	o
	e	7		u	d
	p	8		c	u
	r	2		t	c
	o	x		o	t
	d	2		f	o
	u	.		1	f
	c	A		1	8
	t	)		5	9
	?	1		x	2
	A	,		2	x
	)	5		0	9
	5	6		.	.
	,	4		A	A
	5	B		)	)
	5	)		2	9
	B	1		,	,
	)	,		3	0
	5	4		0	0
	,	6		0	0
	0	4		B	B
	5	C		)	)
	5	)		2	8
	C	1		,	,
	)	,		2	0

	1	5	0	0
	,	4	0	0
	5	4	C	C
	1	D	)	)
	5	)	2	1
	D	1	,	0
	)	,	1	,
	5	5	0	0
	,	6	0	0
	1	2	D	0
	5		)	D
	5		2	)
			,	7
			5	,
			0	0
			0	0
				0
				5
				.
				W
				h
				a
				t
				i
				s
				t
				h
				e
				e
				s
				t
				i
				m
				a
				t
				e
				d

					p r o d u c t o f 1 2 3 x 3 8 ? A) 4 , 0 0 0 B) 3 , 0 0 0 C) 5 , 0 0 0
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						D) 4 0 0
W a y s F o r w a r d .	Meaningful learning can also happen beyond the classroom - for both the learners and the teacher. Pause and reflect on what happened today.					
E x t e n d e d l e a r n i n g o	H o r m e M e i l s i n o n i c a	C o r r e a t i v e l e a r n i n g	W o r k t e t a h m u l t i m e d i a	P r a c t i c e i n a c t i v e l e a r n i n g	W o r k t e t a h m u l t i m e d i a	

p p o r t u n i t i e s : S u g g e s t o t h e r l e a r n i n g e x p e r i e n c e s o u	o t o a l o c a l i s r i - s a r i s t o r e a r n d l i s t o h l e v e r i c	t i o n b o o c a r d g a m e - w h a r e s p l a y e e r o s u l d u s t s w o o r d s t h e	t i o n D i a r y ' e x p l a i n i n g i n y o u r o w n s w o r l d ' M o t e r n e r	a t i o n e u s i n g e d w o c a a t i o n s a l w a y s p o s s e s t i m e M o t e r n e r	l e n g e : F i n d e t w o n u m b e r s w h o p o s s e s t i m e M o t e r n e r
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t s i d e t h e c l a s s r o o m / c l a s s h o u r s t h a t l e a r n e r s m a y w a n t t o a c	e s o f 3 i t e m s . C a l c u l a t e t h e t o t a l c o s t i f y o u	l t i - d i g i t a l i z e d i n t e r n e t p r o c e s s i n g u n i t s . C o m p u t e r s c o n s u m e m o r y a n d s t o r a g e a r e e s s e n t i a l f o r t h e s e t a p s . T h e s e t e c h n i q u e s a r e u s e d t o m e a s u r e t h e e f f e c t i v e n e s s o f t h e s e t a p s . T h e s e t e c h n i q u e s a r e u s e d t o m e a s u r e t h e e f f e c t i v e n e s s o f t h e s e t a p s .	d i f f e r e n c e b e t w e e n a n y K i d s . T h e s e t e c h n i q u e s a r e u s e d t o m e a s u r e t h e e f f e c t i v e n e s s o f t h e s e t a p s .	M a t h ' o r ' K e h l e n A y c e a d e m y K i d s . T h e s e t e c h n i q u e s a r e u s e d t o m e a s u r e t h e e f f e c t i v e n e s s o f t h e s e t a p s .	d u c t i v e x a c t l y 5 0 , 0 0 0 . T h e s e t e c h n i q u e s a r e u s e d t o m e a s u r e t h e e f f e c t i v e n e s s o f t h e s e t a p s .
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cess to receive information what they have learned . . .	buy 15 of each item .	by tomorrow .	product .		
Reflection	(To be filled)	(To be filled)	(To be filled)	(To be filled)	(To be filled)

n	o	o	o	o	o
s	u	u	u	u	u
:	t	t	t	t	t
Th	a	a	a	a	a
i	f	f	f	f	f
n	t	t	t	t	t
k	e	e	e	e	e
a	r	r	r	r	r
b	t	t	t	t	t
o	h	h	h	h	h
u	e	e	e	e	e
t	l	l	l	l	l
w	e	e	e	e	e
h	s	s	s	s	s
a	s	s	s	s	s
t	o	o	o	o	o
y	n	n	n	n	n
o	)	)	)	)	)
u					
n	R	R	R	R	R
e	e	e	e	e	e
e	f	f	f	f	f
d	l	l	l	l	l
t	e	e	e	e	e
o	c	c	c	c	c
c	t	t	t	t	t
h	i	i	i	i	i
a	n	n	n	n	n
n	g	g	g	g	g
g	e	e	e	e	e
e	f	f	f	f	f
f	o	r	r	r	r
r	t	t	t	t	t
h	m	m	m	m	m
e	p	p	p	p	p
n	:	:	:	:	:
e	D	D	W	H	W
x	i	d	h	o	h
t	d	t	i	w	a
s	t	h	c	e	t
e	h	e	h	p	p
s	e	g	p	l	e
s	l	u	a	d	r
i	e	i	r	i	c
o	a	t	i		e
n					
b					

a s e d o n w h a t h a p p e n e d t o d a y .	r n e r s e a s i l y g r a s p t h e c o r e c o n c e p t i n t r o d u c e d t o d a	d e d p r a c t i c e e f f e c t i v e l y t r a n s l a t e i n t o i n d e p e n d e n t	o f t h e c o l l a b o r a t i v e t e a s k c h a n s l e n g t h e s t u d e n t s h	d t h e f o r m a t i v e a s s e s m e n t r e f l e c t i o n s a r n d i n g o b j e	n t a g e o f t h e c l a s s r e a c h e d p r o f i c i e n c y b y t h e e n d o f t h
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	y ?	t s u c c e s s ?	e m o s t ?	c t i v e s ?	e w e e k ?
Prepared by:		Checked by:			
Teacher		Principal / Head			