Na	me		Date	Date	
1.	Ciro a.	cle each expression that 16 × 29	expression in bold .		
		29 sixteens	16 × (30 – 1)	(15 – 1) × 29	(10 × 29) – (6 × 29)
	b.	38 × 45			
		(38 + 40) × (38 + 5)	(38 × 40) + (38 × 5)	45 × (40 + 2)	45 thirty-eights
	c.	74 × 59			
		74 × (50 + 9)	74 × (60 – 1)	(74 × 5) + (74 × 9)	59 seventy-fours

2. Solve using mental math. Draw a tape diagram and fill in the blanks to show your thinking. The first one was done for you.





3. Define the unit in word form and complete the sequence of problems as was done in Problems 3–4 in the lesson.



4. How can 14×50 help you find 14×49 ?

5. Solve mentally.

a. 101 × 15 =_____

b. 18 × 99 = _____

6. Saleem says 45 × 32 is the same as (45 × 3) + (45 × 2). Explain Saleem's error using words, numbers, and pictures.

7. Juan delivers 174 newspapers every day. Edward delivers 126 more newspapers each day than Juan.a. Write an expression to show how many newspapers Edward will deliver in 29 days.

b. Use mental math to solve. Show your thinking.

Name _____ Date _____

1. Solve using mental math. Draw a tape diagram and fill in the blanks to show your thinking.

a. 49 × 11 =elevens	b. 25 × 13 = twenty-fives		
Think: 50 elevens – 1 eleven	Think:twenty-fives +twenty-fives		
= (× 11) – (× 11)	= (× 25) + (× 25)		
===	=+=		

Na	me			Date			
1.	Cir a.	cle each expression that is not equivalent to the expression in bold . 37 × 19					
		37 nineteens	(30 × 19) – (7 × 29)	37 × (20 – 1)	(40 – 2) × 19		
	b.	26 × 35 35 twenty-sixes	(26 + 30) × (26 + 5)	(26 × 30) + (26 × 5)	35 × (20 + 60)		
	c.	34 × 89					
		34 × (80 + 9)	(34 × 8) + (34 × 9)	34 × (90 – 1)	89 thirty-fours		

2. Solve using mental math. Draw a tape diagram and fill in the blanks to show your thinking. The first one was done for you.





3. Define the unit in word form and complete the sequence of problems as was done in Problems 3–4 in the lesson.



4. How can 12×50 help you find 12×49 ?

5. Solve mentally.

- a. 16 × 99 = _____
- b. 20 × 101 = _____
- 6. Joy is helping her father to build a deck that measures 14 ft by 19 ft. Find the area of the deck using a mental strategy. Explain your thinking.

 The Lason School turns 101 years old in June. In order to celebrate, they ask each of the 23 classes to collect 101 items and make a collage. How many total items will be in the collage? Use mental math to solve. Explain your thinking.