NAME

DATE

PERIOD

Unit 3, Lesson 13: Benchmark Percentages

- 1. a. How can you find 50% of a number quickly in your head? Diride the number in harden the number in harden the number in
 - b. Andre lives 1.6 km from school. What is 50% of 1.6 km?

c. Diego lives $\frac{1}{2}$ mile from school. What is 50% of $\frac{1}{2}$ mile?

2. There is a 10% off sale on laptop computers. If someone saves \$35 on a laptop, what was its original cost? If you get stuck, consider using the table. \$350

	savings (dollars)	percentage				
V	35	10	1	410		
+	\$350	100	N		8	
,			-	3		

- 3. Explain how to calculate these mentally.
 - a. 15 is what percentage of 30?
 - b. 3 is what percentage of 12?
 - c. 6 is what percentage of 10?
- 4. Noah says that to find 20% of a number he divides the number by 5. For example, 20% of 60 is 12, because $60 \div 5 = 12$. Does Noah's method always work? Explain why or why not. Yes because 20% = 1/5 of a number
- 5. Diego has 75% of \$10. Noah has 25% of \$30. Diego thinks he has more money than Noah, but Noah thinks they have an equal amount of money. Who is right? Explain your reasoning.

(from Unit 3, Lesson 10)

