

Crime Scene Decoders Elementary: Problem Solving with Multiplication & Division			
Standard Focus: Number Sense and Operations			Time Range: 1-3 Dr
			Supplies: Pencil 7 a Paper
Topics of Focus :			
- Word Problems with Multiplications & Division			
- Operations with Decimals			
- Using Price Lists			
- Unit Prices			
Numbers & Operations in Base 10	4.NBT.B.5	Multiply a whole number and multiply two two- at nu and the properties of using equations, rectand	ap digits by a congit whole number, amber ing strategies used on place value ons. Ill rate and explain the calculation by rand/or area models.
Operations & Algebraic Thinking	4.OA.A.2	Multiply or d' to solve we compariso sing dr unknown nu comparison fr ade.	awings cations with a symbol for the attions with a symbol for the atting cations multiplicative parison. 1
Number & Operations in Base 10	5.NBT.B.5		w ole numbers using the standard algorithm.
Number & Operations in Base 10	5.1	Find whole- ber quotient dividends and two divis orties of operations, and and explain arr , and rea models.	s of whole numbers with up to four-digit ors, using strategies based on place value, the /or the relationship between multiplication and n the calculation by using equations, rectangular
Proce :			
A.) Scients will be then the from Chief Harris, the possible suspects, and crime scene puzzles.			
B.) Store individually to solve the crime.			
C.) Students will determine which suspect should be arrested.			
D.) Students will crocke a portfolio of evidence proving that they have arrested the right person and will demonstrate their understanding of their mathematical content present in the problem.			
Extension) Students can present their evidence to the class as an oral presentation.			

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Detectives,

What's another month without a series of high proferobberies at the hours of the Mathemagicians? The evil genius terrorist group hat the off another laborate crime spree that has left the continent of Africa in disarray. Mathematicans work to build their world conquering device, our investing restrictions are to prove together the thefts by an anonymous associate, the Equation 1.

A cryptic text message was sent to prove but it puires the puzzles to be cracked. We've been told the puzzles to be cracked will calculate to the Equal Dup. favorite number.

Thus far there are six suspects that plice prestioned. You need to be prepared to s prour ce and instrate your understanding of the form the Equal Duplicator is known to use in the notes.

- Word Problems with Mun sations & Division







Who is the Equal Duplicator?



In the middle of the night, The Equal Duplicator flew a helicopter into the camp and stole all of the gasoline.







Scene #4 Amanar Restaurant -- Timbuktu, Mali

The Equal Duplicator broke into a noteworthy garden and stole rare plants.



С

Egyptian police were stunned to find four ferries were stolen in the night. They found this note and were later sent a cryptic text message.



Before I take over the world, I figured I'd make you figure out zuzzle ef leftovers.



- 1. In order to reach the port, people must take a spill ferry across the rive, to people are waiting for the ferry and 28 people can be ferry each the rive many people will ride the ferry on the last trip?
- 2. The dinner tables can fit 8 people. re are 1. people waiting to eat. How many people will sit together at the last
- 3. The Nile River scuba team c c pople at a me. There are 89 people waiting for a turn. How many people w be st group?

If you add up the leftov, om each problem, what number would you get?

31

CF



ZZLE SOLVER TEXT MESSAGE

You car' catch me! ~The Equal Duplicator

A+B+C-X-Y-Z



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(100) + (68) + (2) - (25) - (4) - (33) = 108