



In this assignment you will explore a mystery country. As you make choices and solve problems you will receive pieces of information about where in the world you are.

FACT FINDING

Simplify each expression using the order of operations. (Choose 4 out of 5)

POPULATION (IN MILLIONS)	GDP (IN BILLIONS)	AREA (IN SQUARE KILOMETERS)	LIFE EXPECTANCY (IN YEARS)	YEAR OF INDEPENDENCE
$9 - 5 + 11$	$3 \cdot 6 + 2 - 6$	$(425)^2 + 83 \cdot 5$	$1 \div 20 - (29 - 100)$	$2130 - 181 + 8 \div 2$

FOOD OR FUN?

Simplify each expression using the order of operations. Use the Decoder to uncover the clues.
(Choose a set of three problems.)

THINGS TO EAT		THINGS TO DO	
-Appetizer-	$\frac{5 \cdot 4^2 \div 2}{12 + 40 - 8}$	-See-	$(5 \cdot 16^2 \div 2) \div (10 + 42 - 8)$
-Entrée-	$\left(\frac{1}{3} \cdot 6^2 \cdot \left(\frac{1}{6} + 3 - 1\right)\right) \div 2$	-Try-	$(0.5^2 \div 2 \cdot (0.5 - 2.75 + 1.25)) \cdot 8$
-Dessert-	$\left(2.4 + \frac{5}{4}\right) \div \frac{3}{4} - 2.75$	-Visit-	$\left(3.275 + \frac{3}{8}\right) \cdot \frac{2}{3} + 1.825$



FANTASTIC FINALE

(Choose 2 of the 3 application problems. Use the Decoder to uncover the clues)



MYSTERY A	MYSTERY B	MYSTERY C
Jami has \$200 of spending money on vacation. She spent \$80 on food. She divided the rest of the money into four groups. She saved one group for an emergency and spent the others on souvenirs and experiences. Then she found an extra \$50 in her wallet. How much money does she have left?	On a trip, Ricardo bought 3 magnets for \$1.50 each; 5 keychains for \$2.25 each and a statue for \$6.25. How much did Ricardo spend?	Monique had \$25 and withdraws \$200 for her bank account. She bought new pants for \$34, 2 shirts for \$15 each and a pair of shoes for \$8. How much money does Monique have at the end of her trip?

DECODER

Find the answers from the prior problems to retrieve the clues. Not all items in the Decoder will be used.

0.909	Bai sach chrounk	-10	Moroni University	71	Riel
18	Peso	13	Fish amok	0.08	Port Moresby Cruise
22	Asia	2	Moscow	153	Phnom Penh
-5	Root Beer Float	50	Yen	80	Khmer
-1	Siem Reap Sunset Tour	63	Flank Steak	0.85	Africa
4.258	Angkor Wat	0.95	Apia	5.40	Enchiladas
46	Middle East	14.545	Ta Prohm	2.117	Cha houy teuk



WHERE IN THE WORLD?

THE COUNTRY PROFILE OF...

Capital City	Population
World Region	GDP
Official Language	Area
Foods to eat	Life Expectancy
Things to do	Year of Independence