

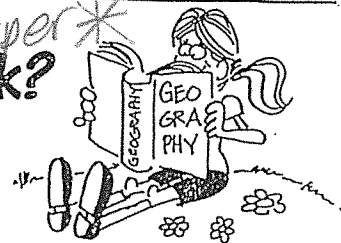
\* Complete 6 Problems \*

TEAM NAME: \_\_\_\_\_

PARTNER A: \_\_\_\_\_

\* On SEPERATE paper \*

## What Is the First Page in a Geography Book?



Cross out the letters above each correct answer. When you finish, write the remaining letters in the spaces at the bottom of the page.

- 1 Mr. Enigma said, "Five less than one fourth of my age is 12." How old is Mr. Enigma?
- 2 Suppose you have \$40 and earn \$7 per hour. How many hours must you work until you have \$131?
- 3 Valley Video charges a \$15 annual fee plus \$3 per movie for rentals. Last year, Jennifer spent \$99 at the store. How many movies did she rent?
- 4 Kimo's car needed work. The mechanic charged him \$140 for parts plus \$48 per hour for labor. If the bill totaled \$260, how many hours of labor were required?
- 5 Suppose you are a salesperson for Quark Computer Company. Each month you earn \$500 plus one sixth of your sales. What amount must you sell this month to earn \$3000?
- 6 For lunch Dregg had a hamburger and potato chips. The hamburger had 325 calories and each chip had 12 calories. If the meal had 541 calories, how many chips did Dregg eat?
- 7 Suppose you are a salesperson for Acme Dynamite Co. Each month you earn \$2200 plus one fifteenth of your sales. What must your sales be this month to earn \$4000?
- 8 When Ms. Sugar turned on her oven, the temperature inside was 70°F. The temperature began to rise at a rate of 20° per minute. How long did it take for the oven to reach 350°F?
- 9 Mega Middle School sells wrapping paper to raise money for student activities. The school keeps half of all sales, minus \$300 for prizes to top sellers. How much wrapping paper must be sold for the school to earn \$5000?

BO	MA	TH	IS	AT	ME	ET
\$15,000	14 min	11 h	68	28	\$10,600	12 min
ST	AB	PA	LE	GE	OF	SS
\$27,000	\$11,200	2.5 h	23	18	3.2 h	13 h

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*\*Complete Circled Problems\**

# How Might a Pair of Snakes Be Used For Driving in the Rain?



Solve each equation or problem. Find your solution and note the two letters next to it. Write these letters in the two boxes above the exercise number at the bottom of the page.

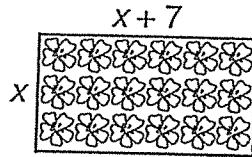
1  $3x + 2(5x + 4) = 47$

2  $x - 3(2x - 7) = 76$

3 Jack said, "Five times my age in 2 years is 100." How old is Jack now?

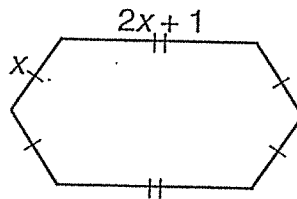
4 Jill said, "Eight times my age 3 years ago equals 104." How old is Jill now?

5 The length of a rectangular garden is 7 ft more than the width. The perimeter is 50 ft. Find the width.



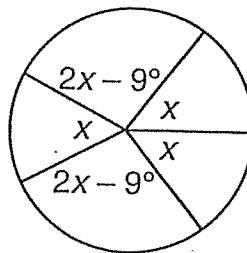
6 The length of a rectangle is 3 cm less than 4 times the width. The perimeter is 114 cm. Find the width.

7 The perimeter of this hexagon is 162 cm. Each longer side measures 1 cm more than twice a shorter side. Find the length of the side labeled  $x$ .



8 A tape costs \$4 less than a CD. Oshkosh bought one CD and five tapes. If the total cost was \$70, what was the price of the CD?

9 The sum of the measures of the central angles of a circle is  $360^\circ$ . Find the measure of each angle labeled  $x$ .



answers

RE \$17

AS 12 cm

CA 8 ft

RS 18

TO  $48^\circ$

LD 3

IE 20 cm

DE \$13

PE 9 ft

LO 13 cm

VI  $54^\circ$

ON 14

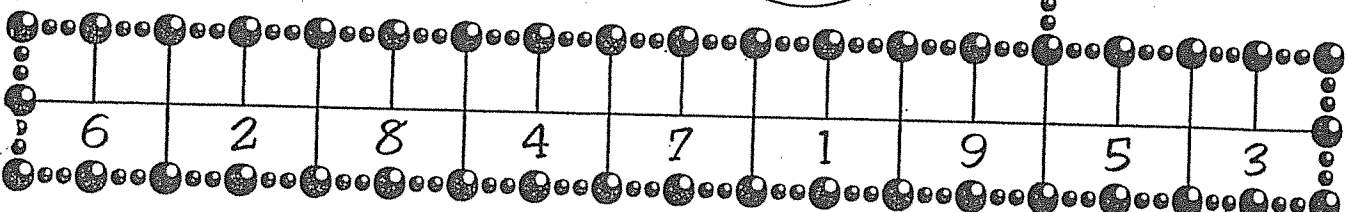
ND \$15

WI -11

IN 18 cm

SH 16

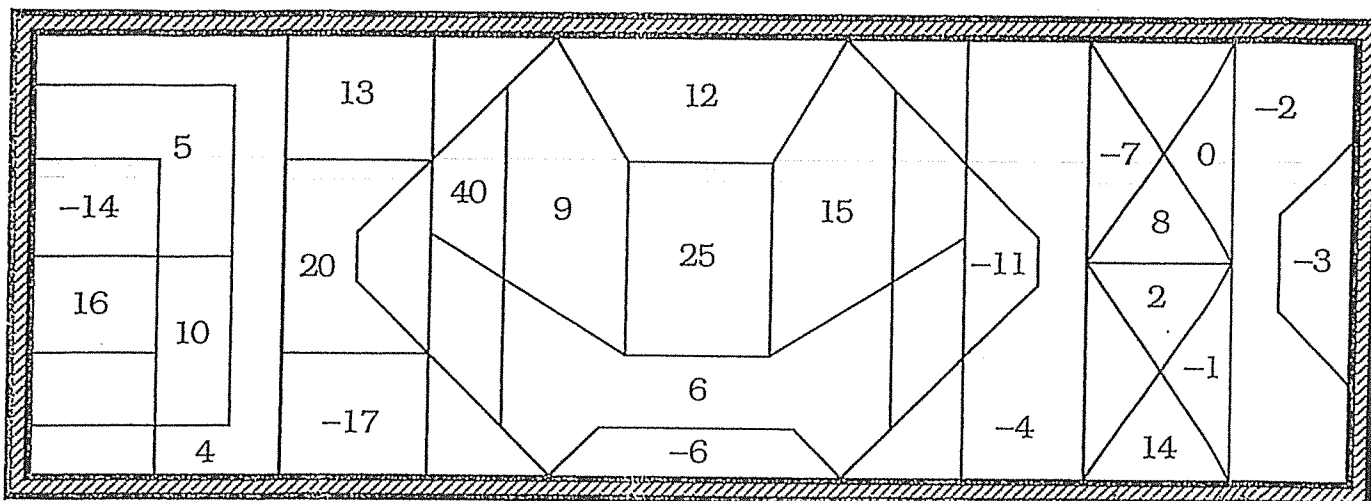
Use separate paper



Name: \_\_\_\_\_

Pentad

# WHAT IS HEAVY FORWARD BUT NOT BACKWARD?



Shade in the area containing each solution. *\*Complete Circled Problems\**

1.  $x + 3(x + 4) = 20$

2.  $6(y - 1) + 8 = 32$

3.  $5 + 4(n + 9) = -3$

4.  $5(k - 2) - 8k = -34$

5.  $2 = 11 + 3(m + 3)$

6.  $-2(p - 5) + 7p = -5$

7.  $4a - 2(a + 9) = 6$

8.  $7 - 4(d - 3) = 23$

9.  $8x - 11(x - 2) = -8$

10.  $5 = 6(q - 5) - 19$

11.  $3(3 - y) + 1 = 31$

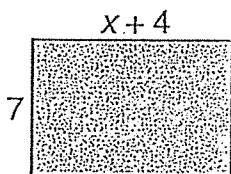
12.  $5(2v + 4) = 170$

13.  $5(4n - 4) = -60$

14.  $2(3t - 8) - 4t = 10$

15.  $9 - 4(2p - 1) = 45$

16. Write an equation and solve for  $x$  if the area of the rectangle is 70 square units.



17. Write an equation and solve for  $x$  if the area of the rectangle is 55 square units.

