
Directions: When working each of the following questions, be sure to show all work.

- 1) Evaluate the expression to find the missing values in the tables.

z	$8 \div z$
1	
2	
4	

- 2) Write the phrase as a numerical or algebraic expression.

t divided by 5

- 3) Write the phrase as a numerical or algebraic expression.

n times 5

Problems 4-7: Write an expression for the missing value in the table.*(hint: Steps for an Arithmetic Sequence)**step1: What is the outside Pattern?**step2: Multiply the outside pattern with a term.**step3: How do you get to the value next to the term used in step 2?*

4) Evaluate the expression to find the missing values in the tables.

Term	Value
1	4
2	5
3	6
n	

5) Evaluate the expression to find the missing values in the tables.

Term	Value
1	4
2	7
3	10
n	

6) Evaluate the expression to find the missing values in the tables.

Term	Value
1	4
2	9
3	14
n	

7) Evaluate the expression to find the missing values in the tables.

Term	Value
2	4
3	9
4	16
n	

- 8) A triangle has a base of 6 inches. The table shows the area of the triangle for different heights. Write an expression that can be used to find the area of the triangle when its height is h inches.

(hint: area of triangle = $\frac{1}{2}bh$ OR $\frac{bh}{2}$)

<i>Base (in.)</i>	<i>Height (in.)</i>	<i>Area (in²)</i>
6	1	3
6	2	6
6	3	9
6	h	

Problems 9-12: Solve each equation. Check your answers*(hint: 5 Steps)**step1: locate the variable**step2: isolate the variable**step3: inverse operation**step4: keep the equation balanced**step5: check your answer.*

9) $b + 4 = 15$

10) $60 = 30 + t$

11) $b \times 10 = 30$

12) $30 = 6n$

NO CALCULATORS BEYOND THIS POINT

13) $5 - 5$

14) $20 \div 20$

15) 4×2

16) $9 \div 3$

17) $10 + 10$

18) $7 + 6$

19) $14 \div 14$

20) $8 + 7$

21) $3 - 3$

22) $4 - 2$