

**Math 6 – Chapter 2 PRACTICE QUIZ**

2-1, 2-2, 2-3

Name Key

Date \_\_\_\_\_

**2-1 Variables and Expressions** (pp. 54-57)

**Evaluate each expression for the given value of the variables. Show all work, including your substitution**

1)  $r+8$  for  $r=5$

$5+8=13$

2)  $t-7$  for  $t=23$

$23-7=16$

3)  $5p$  for  $p=13$

$13 \cdot 5 = 65$

4)  $\frac{c}{8}$  for  $c=80$

$80 \div 8 = 10$

5)  $4h+2$  for  $h=3$

$4 \cdot 3 + 2 = 14$

6)  $4x^2$  for  $x=3$

$4 \cdot (3^2) = 4 \cdot 9 = 36$

7) When traveling to Europe, Jessica converts the temperature given in degrees Celsius to a Fahrenheit temperature by using the expression  $9x \div 5 + 32$ , where  $x$  is the Celsius temperature. Find the temperature in degrees Fahrenheit when it is  $15^\circ\text{C}$ .

$9(15) \div 5 + 32 = 135 \div 5 + 32 = 27 + 32 = 59^\circ\text{F}$

**Evaluate each expression to find the missing values in the tables. Show all work, including your substitutions.**

x	4x
50	200
40	160
100	400

50.4  
40.4  
4.100

9)

n	$2n - 3^2$
10	11
8	7
5	1

9  
2.10-9  
2.8-9  
2.5-9

**2-2 Translate Between Words and Math** (pp. 58-61)

10) z plus 7  $z+7$

11) 8 subtracted from n  $n-8$

12) the sum of 12 and k  $12+k$

13) 5 take away 9  $5-9$

14) The product of 4 and d  $4d$

15) 8 less than w  $w-8$

16) Take away 2 from j  $j-2$

17) x to the fifth power  $x^5$

18) y divided by 15  $\frac{y}{15}$

19) 53 added to w  $53+w$

20) 3 times the quantity of x plus 1

21) The quotient of x and 3 plus 5

$3(x+1)$

$\frac{x}{3} + 5$

**2-3 Translating Between Tables and Expressions** (pp. 62-65)

Write an expression for the missing value in each table.

22)

Position	1	2	3	4	n
Term	3	4	5	6	$n+2$

*1+2   2+2   3+2   4+2*

23)

Position	1	2	3	4	n
Term	3	6	9	12	$3n$

*1·3   2·3   3·3   4·3*

24)

Position	1	2	3	4	n
Term	5	9	13	17	$4n+1$

*1·4+1   2·4+1   3·4+1   4·4+1*

25)

Position	1	2	3	4	n
Term	1	3	5	7	$2n-1$

*1·2-1   2·2-1   3·2-1   4·2-1*

26)

Games		Players
3	<del>X</del> 4	12
4	<del>X</del> 4	16
5	<del>X</del> 4	20
n		$4n$

27)

Bicycles		Wheels
1	<del>X</del> 2	2
2	<del>X</del> 2	4
3	<del>X</del> 2	6
b		$2b$

Things I should do before a test or quiz.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_