MULTIPLYING AND DIVIDING 2

Name: Key **Date:** _____ **Period:** _____

CHAPTER 2: SPIRAL REVIEW

1. Evaluate $n + 7$ for each value of n:

   a. $n = 12$, 19 b. $n = 4$, 11 c. $n = 11$, 18

   d. $n = 3$, 10 e. $n = 86$, 93 f. $n = 100$, 107

2. Write an expression to represent each event:

   a. Barb's science report has 4 more pages than Kaylie's. If K represents the number of pages in Kaylie's report, write an expression to represent Barb's report.
   K + 4

   b. Let s represent the number of students in math camp. Write an expression for the number of students that must be in each of 7 equal math camp groups.
   s ÷ 7

   c. Juan is 3 years older than Antonio. If a represents Antonio's age, what expression represents Juan's age? a + 3

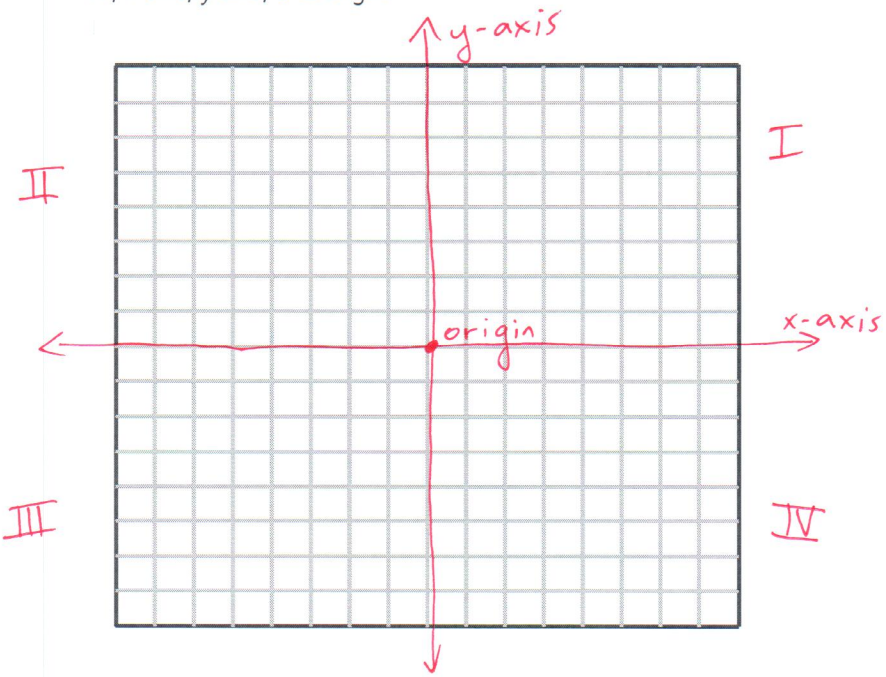
   d. Let g represent the number of girls in the candy store. If each girl is buying 5 pieces of candy, write an expression that represents the total number of candies the girls will buy.
   5g

3. Write a story problem for the following expression, $t - 3$. Remember to tell us what t represents.

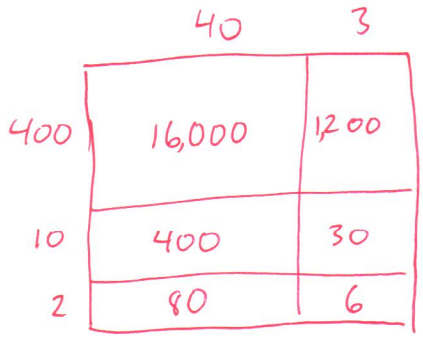
   (Answers will vary.)

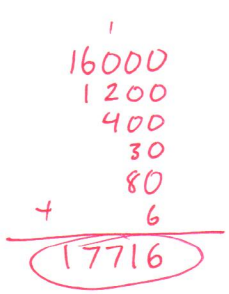
   The temperature in the morning, t, falls 3°C as a cold front comes in.

4. On the grid paper below, draw a coordinate plane and label the following parts: Quadrant I, II, III, IV, *x*-axis, *y*-axis, and origin.



5. Use the area model for multiplication to find the product of (412) (43).





6. Write an integer to represent each action:
   a. a $35 deposit 35
   b. a loss of 10 yards -10
   c. losing 16 pounds -16
   d. finding $20 20
   e. ascending 14 km 14
   f. 6 new messages 6

g. a $10 withdrawal -10

h. diving 126 feet -126

i. temperature rises 10° 10

7. Godfrey has 13 pieces of bubble gum. He bought 5 packages containing 24 pieces each. How many pieces of bubble gum does he have now?

$13 + 5(24) =$

$13 + 120 =$

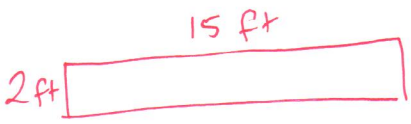
133

Godfrey now has 133 pieces of bubble gum.

8. Fill in the table by multiplying each number by 10, 100, and 1,000:

Number	· 10	· 100	· 1000
82	820	8,200	82,000
27	270	2,700	27,000
105	1,050	10,500	105,000
340	3,400	34,000	340,000
1,234	12,340	123,400	1,234,000

9. Josh is going to tile the walkway from his back door to his garden bench. The path is 2 feet wide and 15 feet long. He plans to buy square-foot tiles that cost $1.99. How many tiles does he need to buy? About how much will be the total cost?



30 sq. ft.
so 30 tiles

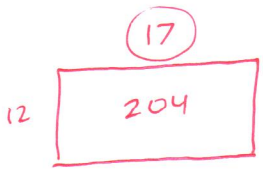
$1.99 is about $2
so he will spend
about $(30)(2) = $60

Josh needs to buy 30 tiles. He will spend about $60.

10. The area of Josh's rectangular garden is 204 square feet. If the length is 12 feet, what is the width?

$$\begin{array}{r} 17 \\ 12\overline{)204} \\ -120 \\ \hline 84 \\ -84 \\ \hline 0 \end{array}$$

$204 \div 12 = 17$



The width is 17 ft.